



V.A.1
 CO-STAR5
 #008-086

Quotation

QUOTE DATE	QUOTE NUMBER
06/25/19	S037202268
PAGE NO.	
1 of 3	

FRIEDMAN ELECTRIC SUPPLY
 20-26 N FIFTH ST
 STROUDSBURG, PA 18360
 570-424-5402 Fax 570-421-1978

Joseph.mihalick@friedmanelectric.com

QUOTE TO:
 EAST STROUDSBURG AREA SCHOOL
 50 VINE ST
 E STROUDSBURG, PA 18301-2150
 570-424-8500

SHIP TO:
 EAST STROUDSBURG AREA SCHOOL
 50 VINE ST
 E STROUDSBURG, PA 18301-2150
 570-424-8500

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	JOB NAME	QUOTED TO	
125702	NORTH PARKING LOT		ESASD	
SALESPERSON	SHIP VIA	FREIGHT ALLOWED	EXPIRATION DATE	
JOSEPH MIHALICK		No	11:59pm ET 06/24/19	
ORDER QTY	UPC	DESCRIPTION	UNIT PRICE	EXT PRICE
60ea	01981318907	RAB ALED3T125RG 125W LT FX *REPLACING 208V & 277V 400W HPS POLE LIGHT* Nonstock Item May Not be Returnable	545.350	32721.00
128ea	01981320658	RAB ALED3T125RG/480 LED AREA LIGHT FIXTURE Nonstock Item May Not be Returnable *REPLACING 480V 400W HPS POLE LIGHTS*	637.199	81561.47
6ea	01981320667	RAB ALED3T125SFRG/480 LED AREA LIGHT FIXTURE Nonstock Item May Not be Returnable *REPLACING 480V 400W SLIPFITTERS ON BASKETBALL COURT*	637.199	3823.19
26ea	01981330656	RAB WP2LED37 WALLPACK 37W COOL LED 120-277V WITH GLASS LENS BZ WP2 *REPLACING 150W WALLPACKS*	136.808	3557.01
11ea	01981331233	RAB WP2LED37/PC2 WALLPACK 37W COOL LED 277V PC WITH GLASS LENS BZ Nonstock Item May Not be Returnable *REPLACING 150W WALLPACKS WITH PHOTOCELLS*	157.532	1732.85

*** Continued on Next Page ***



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SALESPERSON	SHIP VIA	FREIGHT ALLOWED	EXPIRATION DATE		
JOSEPH MIHALICK	No		11:59pm ET 06/24/19		
ORDER QTY	UPC	DESCRIPTION	UNIT PRICE	U	EXT PRICE
5ea	01981310513	RAB FXLED150SF FLEXFLOOD 150W COOL LED SLIPFITTER BRONZE *ROOF FLOODLIGHTS*	594.811	e	2974.06
4ea	01981310401	RAB SLIM57 SLIM WALLPACK 57W COOL LED 120 TO 277V BRONZE WP2 *HANGING UPSIDE DOWN WALL WASHERS*	316.080	e	1264.32
37ea	01981310917	RAB ALED3T78RG 78W LT FX Nonstock Item May Not be Returnable *REPLACING 150W POLE LIGHTS*	436.280	e	16142.36
10ea	01981310950	RAB ALED3T78RG/480 78W LT FX Nonstock Item May Not be Returnable *REPLACING 150WATT 480V POLE LIGHTS*	463.800	e	4638.00
7ea	01981330626	RAB WP1LED30 WALLPACK 30W COOL LED 120-277V WITH PC LENS BZ WP1 *REPLACING 50W WALLPACKS*	109.070	e	763.49
19ea	01981358605	RAB VANLED40FRW 40W LT FX Nonstock Item May Not be Returnable *REPLACING CANOPY LIGHTS*	200.918	e	3817.44

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SALESPERSON		SHIP VIA	FREIGHT ALLOWED		EXPIRATION DATE
JOSEPH MIHALICK		No			11:59pm ET 06/24/19
ORDER QTY	UPC	DESCRIPTION	UNIT PRICE	U	EXT PRICE
2ea	01981331504	RAB FFLED80 FUTURE FLOOD 80W LED COOL ARM 120-277V 7X6 BRONZE *FLAGPOLE FLOOD LIGHTS*	321.470	e	642.94
31ea	01981374920	RAB HID-18-E26-850-BYP-PT HID PST TOP 18W 75EQ 5K 2,600lm 12PK Nonstock Item May Not be Returnable *BOLLARD REPLACEMENTS*	30.440	e	943.64
10ea	01981347258	RAB VANILED6W VANLED VANDALPROOF 6W 5K LED CEILING MOUNT 6 X 8 *MOUNTED ON THE WALL IN FRONT OF SCHOOL HANDICAPPED RAMPS*	41.664	e	416.64

TERMS & CONDITIONS

This order is subject to Company Terms and Conditions of Sale, which provisions shall govern in the event of any conflict with any Terms or Conditions of Purchaser's proposal, purchase order or other documents. All quotes/bids for Pipe and Wire are good for the date of the bid only. No extension of the pricing of these items is authorized by any employee of the Company without express written consent in the form of an official letter or signed acknowledgement of an Officer of the Company.

Subtotal	154998.41
S&H CHGS	0.00
Sales Tax	0.00
Amount Due	154998.41

WIND GAP ELECTRIC, INC.
ELECTRICAL CONSTRUCTION
Quality Since 1974

125 West Seventh Street
Wind Gap, PA 18091
Tel: (610) 863-7688
Fax: (610) 863-8372

ELECTRICAL PROPOSAL

Attn: Jim Posselli - Friedman Electric

Re: East Stroudsburg Area School District
North Campus Lighting Replacement
Bushkill, PA

Date: July 23, 2019

Electrical Proposal

One Hundred Sixty-Nine Thousand Five Hundred Fifty-Six Dollars 00/100 - \$169,556.00

Scope of Work:

- Existing conductors, conduits and concrete bases to be reused
- Poles are remaining, just replacement of the heads (400W are 25' poles & 150W are 18' poles)
- Pole Lights, Wall Packs, Canopy Lights, and Flood Lights are completely being replaced with new fixtures.
- (60) 400watt, 277volt pole lights, 25' poles
- (128) 400watt, 480volt pole lights, 25' poles
- (37) 150watt, 277v pole lights, 18' poles
- (10) 400watt, 480v pole lights, 18' poles
- (6) 400watt, 480v slip fitter pole lights on basketball court, 25' poles
- (26) 150watt wall packs being completely replaced,
- (11) 150watt wall packs with photocells being completely replaced
- (5) 400watt flood lights on roof illuminating HVAC equipment being swapped
- (4) 150watt wall packs, up shining washing building being swapped
- (7) 50watt wall packs being swapped
- (19) canopy lights being swapped, canopy 12". Surface mount plate to be supplied to cover existing hole in concrete, new fixture to mount on plate
- (2) flagpole flood lights being replaced
- (31) bollard lights being retrofitted with LED corncobs. Tops unscrew, ballast to be disconnected, direct voltage run to socket
- (10) vandal proof lights on handicapped accessible ramps to be replaced, 2 feet off ground

Proposal Clarifications:

- Existing conductors, conduits and concrete bases to be reused
- Any and all costs associated with permits and inspections are exclude
- Electrical proposal does not include fusing in the new installation of poles and heads
- Excluded is any and all costs for submission of UCC drawings for 3rd party review
- Costs for additional or special insurance coverage are not included, unless in writing prior to bid submission.
- Electrical Proposal is based on normal working hours (Monday thru Friday - 7:00am to 3:30pm)

Wind Gap Electric, Inc. appreciates the opportunity to provide you with this electrical proposal. Should there be any questions please feel free to contact me at (610) 863-7688. We look forward to hearing from you in the near future.

Copy To: Project File

Signed:

Mark R. Weldman



Electrical Supply • Lighting • Telecom • Automation

www.friedmanelectric.com

ENERGY SOLUTIONS DIVISION

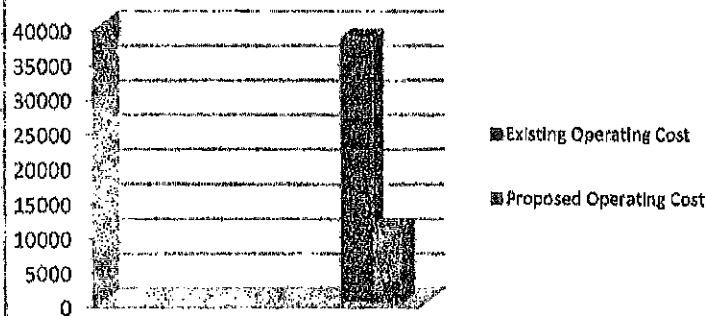
Account Name: NORTH PARKING LOT LIGHTS

Existing Operating Cost	\$38,156
Proposed Operating Cost	\$10,900
Total Operating Cost Savings	\$27,257

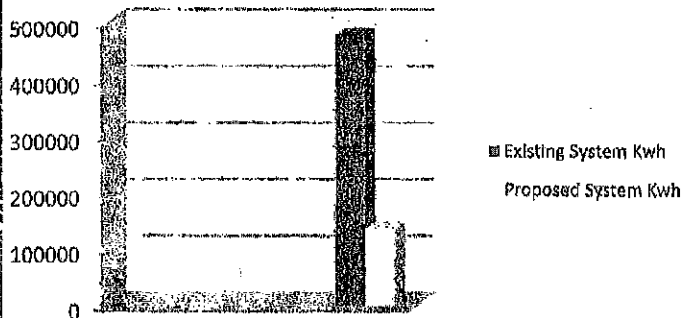
KWh Cost
\$0.080

Existing System Kwh	476977
Proposed System Kwh	136260
Total Kwh Saved	340717

Operating Cost \$



Kwh Consumption



Friedman electric is not responsible for quantities & must be verified by customer. Any changes will require revision to energy analysis

Rebates are determined by PA/NY Utilities and subject to their terms and conditions



NORTH CAMPUS PARKING LOT

Payback Analysis

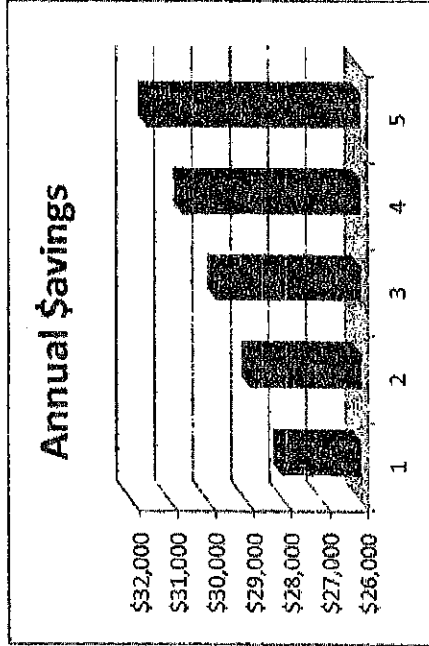
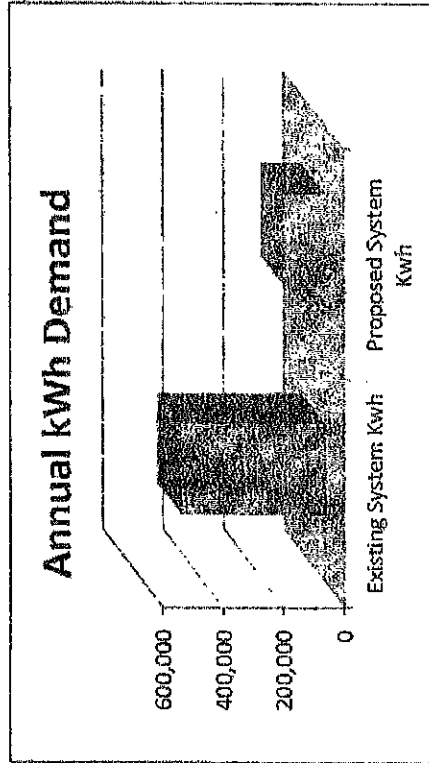
Current Annual Operating Costs	\$38,158
Annual Operating Costs after Replacement	\$10,901
Annual Energy Savings	\$27,257
POTENTIAL UTILITY REBATE	\$15,504
Retrofit Costs	\$324,554

Current Annual Operating Costs
 Annual Operating Costs after Replacement
 Annual Energy Savings
POTENTIAL UTILITY REBATE
 Retrofit Costs

ROI through 5 years

-61.5%

(Net present value ROI based on 3% inflation and constant KWH rate)



If we understand that ordering / installing material prior to Preapproval may result in denial of rebate given by utilities



Parking & Exterior LED Lighting Project

July 2019

About Brightcore Energy



Brightcore Energy (BCE) is a lighting solutions company focused on the conversion of legacy lighting to LED lighting for commercial, municipal, education and non-profit customers.

We design cost-effective LED solutions with high quality components and stand by our work with industry-leading service coverage. Our clients realize:

- Lower energy costs
- Hedge against rising utility costs
- Eliminated maintenance costs
- Improved lighting
- Lower carbon footprint

BrightEDU™

Our BrightEDU™ LED lighting service provides tier-one LED lighting systems with **\$0 upfront cost.**



Product & labor costs established through US Communities #EV2370



Transaction can be structured as a Municipal Tax Free Lease



Fixed monthly payments during the term of the agreement (10 years)



EASD realizes savings over the life of the project with \$0 capital investment

Project Highlights:

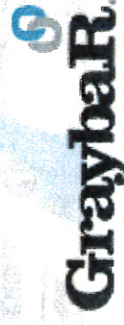
- New Exterior LED Luminaires with \$0 upfront cost
- Immediate Savings: cash-flow positive from day 1
- Product rated for 20+ year life
- 10 Year Warranty on Material Provided by Brightcore Energy
- 1 Year Warranty on Labor Provided by Brightcore Energy
- Manufacturer Cut sheets/Warranties included in Appendix
- Photometrics to be supplied



Transparent Procurement & Financing



- US Communities "Piggy Back" Contract
 - Graybar, a leading lighting distributor, was awarded US Communities contract
 - Brightcore Energy has extensive experience partnering with Graybar and is a certified US Communities installer
 - Contract was designed to satisfy competitive solicitation requirement of public agencies
 - Less time in procurement process. Leverages aggregate volume of other agencies
 - No cost to participate in the US Communities program
- Municipal Tax Exempt Lease
 - 10 year terms supports immediate positive impact to operating budget
 - No fees. Low tax-free rate.
 - Not a debt obligation due to "non-appropriation" language. Limits obligation to current operating budget
 - Estimated life of lighting will exceed lease term implying value at end of lease

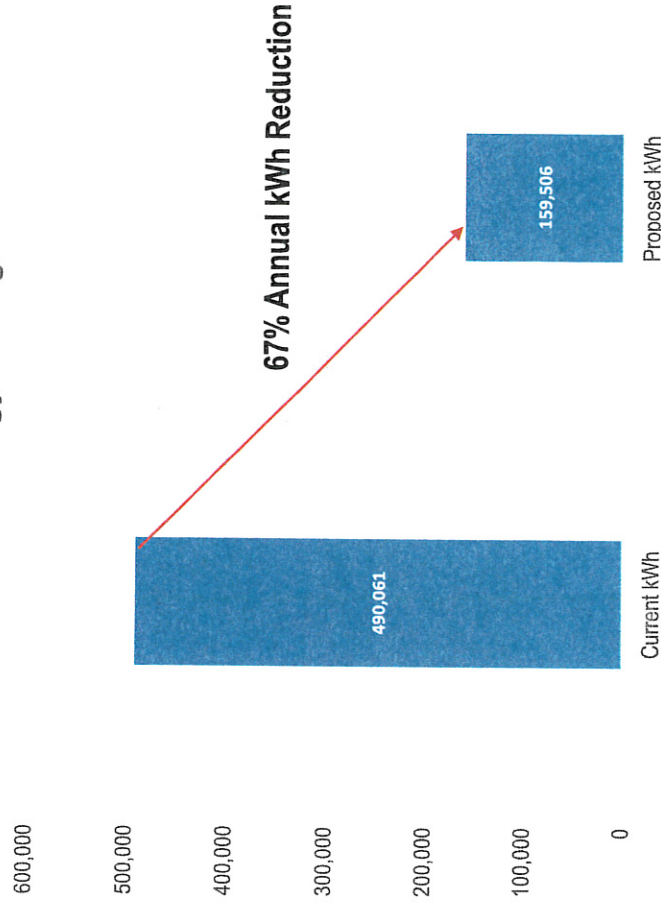


Energy Savings:

- Brightscore Energy received the exterior fixture counts from the district on July 17th, 2019
- School District Buildings included in this project
 - High School North
 - Lehman Intermediate
 - Bushkill Elementary
 - Bus Garage
- Exterior Measures included in this project
 - 194 - 400w Parking Lot Lights
 - 47 - 150w Parking Lot Lights
 - 22 - 150w Wallpacks
 - 7 - 50w Wallpacks Canopy Lights
 - 4 - 400w Flood Lights Bollard Lights
 - 38 - 2x 26w Canopy Lights
 - 31 - 100w Bollards
 - 10 - 2x 26w Handicap Ramp Lights
- LED lighting upgrades will reduce EASD's lighting-related energy use by 67%, based on current usage
- Labor Costs based on Prevailing Wage
- Detailed Scope of Work included in Appendix

- In addition, Brightscore handles the proper recycling and disposal of existing fixtures removed during installation at no additional cost to EASD

Annual Energy Savings



Brightscore Terms:

Service Type	10-Year BrightEDU™
Upfront Contribution from Customer*	\$0
10 Year Electricity Savings**	\$271,461
10 Year Material Savings	\$95,824
10 Year Labor Savings	\$33,126
10 Year Total Projected Savings	\$400,411
Average Annual Total Savings	\$40,041
Annual Muni-Lease Payment (Fixed)	(\$34,191)
Average Annual Net Savings	\$5,850
10 Year Total Savings	\$58,499
Expected Total Lifetime Savings (20-year Rated Lifetime)	\$546,597

*Net Estimated Met-Ed Incentive (\$16,528)

**Based on estimated all-in utility rate of \$0.075 per kWh

Brightcore Terms:

Service Type	10-Year BrightEDU™	Cash
Upfront Contribution from Customer*	\$0	\$284,640
10 Year Electricity Savings**	\$271,461	\$271,461
10 Year Material Savings	\$95,824	\$95,824
10 Year Labor Savings	\$33,126	\$33,126
10 Year Total Projected Savings	\$400,411	\$400,411
Average Annual Total Savings	\$40,041	\$40,041
Annual Muni-Lease Payment (Fixed)	(\$34,191)	\$0
Average Annual Net Savings	\$5,850	\$40,041
10 Year Total Savings	\$58,499	\$115,771
Expected Total Lifetime Savings (20-year Rated Lifetime)	\$546,597	\$603,870

*Net Estimated Met-Ed Incentive (\$16,528)

**Based on estimated all-in utility rate of \$0.075 per kWh

BrightEDU™ Annual Savings

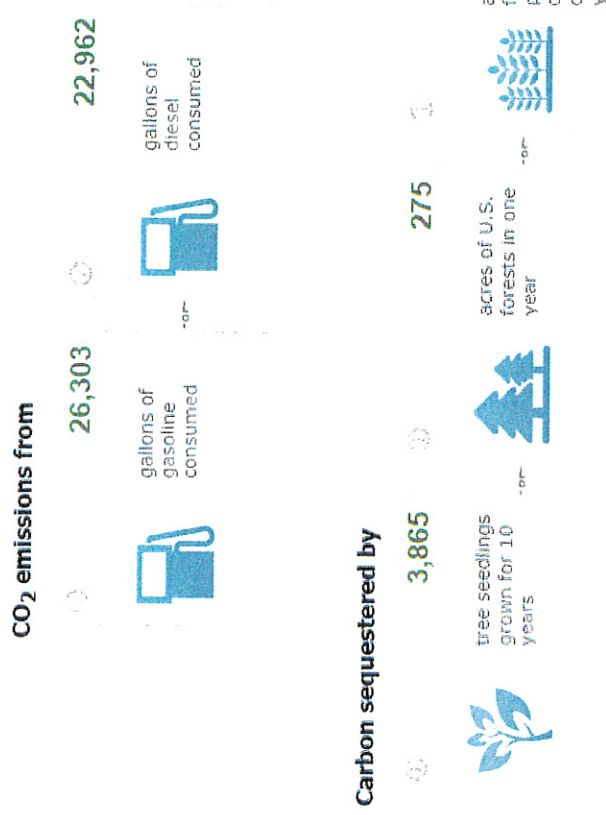
How it Works:

- Brightcore estimates a current lighting cost of approximately \$53,140
- The BrightEDU™ LED conversion will lower lighting cost to approximately \$13,099, or 25% of the current cost
- After netting a fixed Brightcore Service payment of \$34,191/year, EASD will save approximately \$5,850/year, approximately 9% of the total annual savings over the next 10 years
- Considering the 20 year lifetime of the new LED fixtures, EASD will save approximately \$48,810/year, or 92% of the total annual savings between years 11 and 20.

Savings Analysis - Pre & Post LED Conversion



Environmental Impact



- Significant environmental impact with approximately 330,554 kWh saved annually, which is equivalent to:

BrightScholar

- “Give Back” from Brightcore that highlights the environmental value of LED technology
- Scholarship program for graduating seniors
- Promotes Environmental Stewardship
- Brightcore will give \$10 for Greenhouse Emissions **avoided** for every car taken off the road for one year (based on avoided kWh and EIA calculator)
- Estimated Scholarship amount: \$500



Greenhouse gas emissions from



49.6



Passenger
vehicles driven
for one year

Relevant Education Experience

Brightcore Energy has substantial experience with LED Conversion of Educational Facilities.

- Proven top-tier and reliable products
- Lumens and temperature recommendations
- Installation expertise in an academic setting
- School calendar and daily schedule accommodation
- Full spectrum lighting capability: interior, auditorium, exterior and athletic



Key Next Steps

1

Detailed Proposal Review

2

Board Review

3

Review and Sign Lighting Service Agreement

4

Product Procurement and Installation

5

Ongoing Service & Support



Appendix



Customer East Stroudsburg Area School District



Project Scope of Work

Area	Space	Existing Fixture	Qty	Post Fixture	Qty	Hours of Operation	Material Cost Per Unit	Labor Cost Per Unit *Prevailing Wage	Total Project Cost	Incentive	Total Project Cost Net Incentive
Exterior	Parking Lot Poles	400w HPS	194	150w LED Parking Fixtures	194	4380	\$ 817.90	\$ 240.00	\$ 205,233.04	\$ 13,213.15	\$ 192,019.89
Exterior	Parking Lot Poles	150w HPS	47	50w LED Parking Fixture	47	4380	\$ 724.15	\$ 240.00	\$ 45,315.16	\$ 1,379.26	\$ 43,935.89
Exterior	Wallpacks	150w MH	22	52w LED Wallpack	22	4380	\$ 483.38	\$ 150.00	\$ 13,934.44	\$ 621.52	\$ 13,312.92
Exterior	Wallpacks	50w MH	7	18w LED Wallpack	7	4380	\$ 264.78	\$ 150.00	\$ 2,903.44	\$ 76.65	\$ 2,826.79
Exterior	Flood Lights	400w MH	4	150w LED Flood SF	4	4380	\$ 992.18	\$ 240.00	\$ 4,928.73	\$ 271.56	\$ 4,657.17
Exterior	Canopy	2x 26w PL	38	RAB 20w Canopy	38	4380	\$ 377.28	\$ 135.00	\$ 19,466.54	\$ 266.30	\$ 19,200.23
Exterior	Bollards	100w MH	31	RAB 27w CornCob Retrofit	31	4380	\$ 142.90	\$ 75.00	\$ 6,754.97	\$ 631.38	\$ 6,123.59
Exterior	Handicap Ramps	2x 26w PL	10	G.C. 10w PL Horizontal	10	4380	\$ 94.06	\$ 37.50	\$ 2,631.17	\$ 67.89	\$ 2,563.28
									\$ 301,167.48	\$ 16,527.71	\$ 284,639.77

Representative Products

- All products are from Tier 1 manufacturers



LED Parking Pole Fixtures

RAB Outdoor



100k



DesignLights Consortium®

100,000-hour LED lifespan
At 10 Hours Daily use, RAB LEDs are rated to last 27 years. Performance guaranteed.

LED Wall Pack/Flood Fixtures

RAB Outdoor



100k

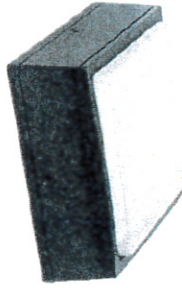


DesignLights Consortium®

100,000-hour LED lifespan
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LED Canopy Fixtures

RAB Outdoor



VANLED20

100k

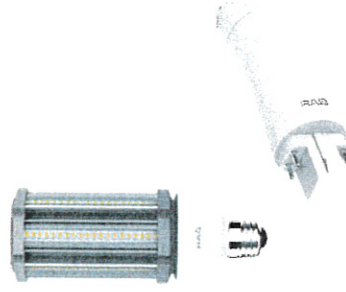


DesignLights Consortium®

100,000-hour LED lifespan
At 10 Hours Daily use, RAB LEDs are rated to last 27 years. Performance guaranteed.

LED Retrofit Exterior Lamps

RAB Outdoor



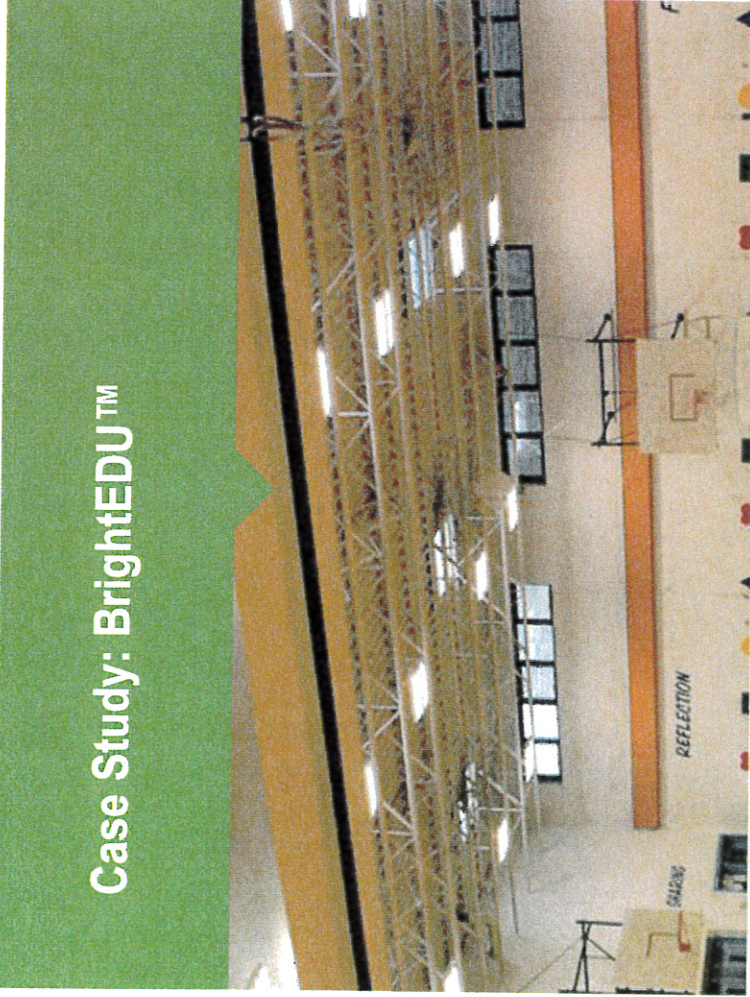
Lifespan:

50,000-hour LED lifespan based on IES LM-79 results



DesignLights Consortium®

Case Study: BrightEDU™



With 15 buildings across five schools, the **Chappaqua Central School District** was spending too much money on inefficient lighting that resulted in high energy bills and required frequent maintenance. Interested in savings and improved lighting for its students and faculty, the district worked with Brightcore to retrofit all five schools with high quality, energy-efficient LED lighting.

Brightcore took the time to listen to our needs, visit all our schools to determine the right lighting for us. They have knowledgeable staff that gave us the product that worked best for us."

Joseph W. Gramando
Director of School Facilities, Operations & Maintenance
Chappaqua Central School District

- Estimated useful life of 15+ years
- Net energy costs savings of \$2.2 million

Client List

Office



Multi-Family Housing



Education & Non-Profit



Healthcare



Sports & Entertainment



Retail



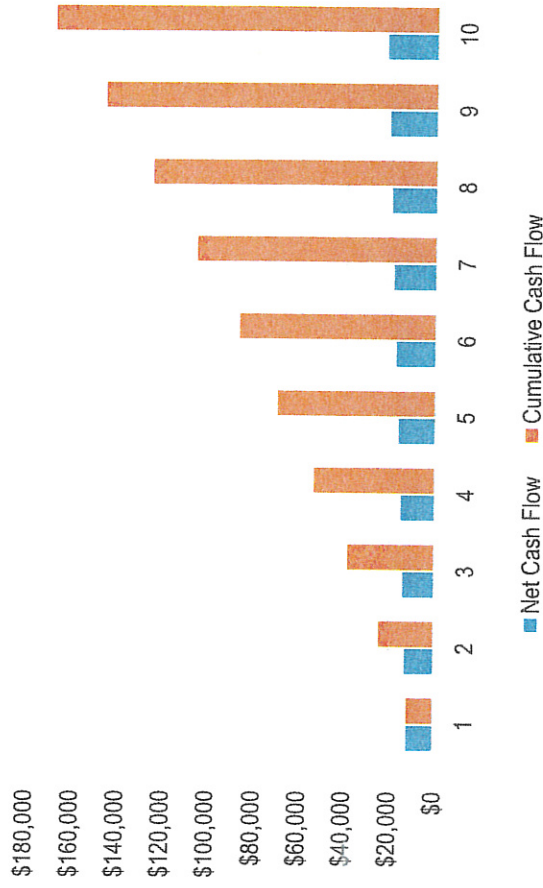
Industrial



Project Cash Flow: 10-Year Municipal Tax Lease



10-Year Project Cash Flow



During the 10-Year Service, proposed solutions will cumulatively net EASD \$58K in savings after paying for the light service.

Year	0	1	2	3	4	5	6	7	8	9	10	Total
Net Capital Investment	\$0											\$0
Energy Savings		\$24,792	\$25,287	\$25,793	\$26,309	\$26,835	\$27,372	\$27,919	\$28,478	\$29,047	\$29,628	\$271,461
Material Savings		\$8,751	\$8,926	\$9,105	\$9,287	\$9,473	\$9,662	\$9,855	\$10,052	\$10,253	\$10,459	\$95,824
Labor Savings		\$3,025	\$3,086	\$3,148	\$3,210	\$3,275	\$3,340	\$3,407	\$3,475	\$3,545	\$3,616	\$33,126
Muni-Lease Payment	\$0	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$34,191)	(\$341,912)
Net Cash Flow	\$0	\$2,377	\$3,108	\$3,854	\$4,615	\$5,391	\$6,183	\$6,990	\$7,814	\$8,654	\$9,511	\$58,499
Cumulative Cash Flow	\$0	\$2,377	\$5,485	\$9,339	\$13,955	\$19,346	\$25,529	\$32,519	\$40,334	\$48,988	\$58,499	\$58,499

SERVICES AGREEMENT

THIS SERVICES AGREEMENT ("Agreement") is made effective on the _____ day of _____ by and between _____ ("Owner"), with an address at _____ and Graybar Electric Company, Inc. ("Supplier"), with a corporate address at 34 N. Meramec Avenue, St. Louis, MO 63105.

PROPERTY: School District

**GENERAL SCOPE OF WORK: Remove and Install New LED lighting
Facility Audit- Project design- Installation at Prevailing wage Licensed Electrician Rate- Project
Management- Hazardous Material Recycling- wast Management**

Warranty SERVICED BY BRIGHTCORE UNDER "BRIGHT EDU PROGRAM"

Labor 1 year

Material 10 year

Owner desires to hire Supplier to perform the Work at the Property in accordance with Supplier's Proposal, which is accepted by Owner and attached hereto and made a part hereof as Attachment A.

The Parties agree as follows:

- 1. The Work.** Supplier agrees to perform the Work set forth in the Supplier's Proposal in Attachment A. Owner acknowledges that Supplier is not a licensed subcontractor in all jurisdictions and that, when applicable, Supplier will subcontract all services requiring licensure to an appropriately licensed subcontractor.
- 2. Commencement.** Supplier will start the Work when notified by Owner and will perform the Work with diligence and promptness as requested by Owner and as mutually agreed upon by the parties. Supplier requires a minimum of 30 days prior notice before commencing Work.
- 3. Contract Price.** Subject to the Standard Terms and Conditions attached to this Agreement as Attachment B, Owner agrees to pay Supplier for the performance of the Work the total sum of _____, subject to additions and deductions for changes requested or approved by Owner (the "Contract Price").

Terms and Conditions. The Standard Terms and Conditions, which are attached to this Agreement as Attachment B, are incorporated into this Agreement and govern all work performed by Supplier and its Subcontractors. In the event that any provision of any invoice, acknowledgment, quotation, proposal, delivery ticket, authorization, work order, schedule, purchase order, or other document whatsoever provided by either party to the other party conflicts with the provisions in this Agreement, the provisions of this Agreement shall control. This Agreement may be modified only by a writing signed by both parties.

4. Special Provisions:

List of Attachments: The following Attachments are part of this Agreement:

- Attachment A – Supplier's Proposal
- Attachment B – Standard Terms and Conditions

5. Payment Terms:

Supplier will diligently pursue and substantially complete all work within a reasonable time. Supplier estimates substantial completion ("Substantial Completion") will occur approximately _____ days from commencement. The Project will be considered substantially complete upon any of the following: (a) issuance of a government certificate of occupancy, final or temporary; (b) notice from Supplier that the work has been completed if a certificate of occupancy is not required; or (c) the Project is usable for the intended purpose.

Payments are due within thirty days from the submission to Owner of an invoice or application for payment. A "late payment" charge of one and one half percent (1 1/2%) per month or the maximum legal interest rate, whichever is greater, will be applied to all monies past due and shall be paid by Owner immediately upon demand.

7. Complete Agreement. This Agreement sets forth the entire and integrated agreement between Owner and Supplier and supersedes any and all prior agreements, representations, and negotiations. No verbal agreement or conversation with any representative or employee of Supplier, either before or after execution of the Agreement, shall affect or modify any of the terms or obligations of this Agreement.

[Owner]

Graybar Electric Company, Inc.

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

ATTACHMENT A

[Proposal accepted by Owner]

DRAFT

**ATTACHMENT B
SUPPLY AND INSTALLATION**

STANDARD TERMS AND CONDITIONS

1. **Contractual Conditions.** These Standard Terms and Conditions are not binding until Owner has authorized Supplier to commence work by execution of the Services Agreement.

2. **Warranty.**
 - A. **Workmanship:** Supplier warrants that the Work will be performed in a good and workmanlike manner in accordance with the Supplier's Proposal.

 - B. **Material Warranty:** Supplier warrants that all materials sold to Owner (the "Products") are free of any security interest, and Supplier will make available to Owner all transferable warranties made to Supplier by the manufacturer of the Products.

 - C. **Entire Warranty:** SUBJECT TO ANY DIFFERENT OR ADDITIONAL WARRANTIES PROVIDED IN ATTACHMENT A, SUPPLIER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE WORK OR THE PRODUCTS, AND SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. WITHOUT LIMITATION OF THE PRECEDING SENTENCE, THE WARRANTIES OF THIS SECTION 2 DO NOT COVER ANY FAILURE OR DEFECT RESULTING FROM: (I) SUBSTRATE DETERIORATION OR MOVEMENT, (II) WATER INFILTRATION, (III) HARMFUL CHEMICALS, FUMES OR VAPORS, (IV) VANDALISM OR PHYSICAL ABUSE, (V) LACK OF PROPER MAINTENANCE AND REPAIR, (VI) UNAUTHORIZED PENETRATIONS OR REPAIRS, OR (VII) ACTS BEYOND THE REASONABLE CONTROL OF SUPPLIER, SUCH AS FIRE, FLOOD, EARTHQUAKE, TORNADO, EXPLOSIONS, ACTS OF GOD OR OTHER CATASTROPHIC EVENTS.

 - D. **Supplier's Obligation:** Supplier shall correct, or shall cause its Subcontractor to correct, any defects due to a breach of the foregoing warranties, which appear on or before the earlier of (i) eighteen (18) months after the first delivery of the Products to the Property, or (ii) twelve (12) months after Substantial Completion of the Work (the "Warranty Period"). Supplier's obligation and liability under the foregoing warranties are limited to the repair or replacement of any defective workmanship or materials, at the Property, and shall not in any case extend to any loss of anticipated profits, rents, shutdown or non-operation of the facility, or other consequential loss suffered by Owner from any cause, including defects covered by this paragraph.

 - E. **Notice:** Any warranty claim must be presented in writing to Supplier prior to the expiration of the Warranty Period, or the claim shall be waived.

 - F. **Product Exclusions:** UNLESS OTHERWISE AGREED IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF GRAYBAR, PRODUCTS SOLD HEREUNDER ARE NOT INTENDED FOR USE IN OR IN CONNECTION WITH (I) ANY SAFETY APPLICATION OR THE CONTAINMENT AREA OF A NUCLEAR FACILITY, OR (II) IN A HEALTHCARE SITUATION, WHERE THE PRODUCTS HAVE POTENTIAL FOR DIRECT PATIENT CONTACT OR WHERE A SIX (6) FOOT CLEARANCE FROM A PATIENT CANNOT BE MAINTAINED AT ALL TIMES.

3. **Permits.** Unless otherwise provided in the Agreement, all building, construction, and other permits required for the Work shall be obtained by Owner with Supplier's assistance but at no cost to Supplier.

4. **Other Charges.** The Contract Price shall include applicable sales and use tax. However, Owner shall pay any other charges upon the sale, use, transportation, production or installation of the material, structures, or real property additions and improvements in excess of those covered by this Agreement. If Supplier is required to pay any such charges, Owner shall promptly reimburse Supplier.
5. **Performance Dates.** The schedule, if stated in the Agreement or the Supplier's Proposal, is approximate and is not guaranteed by Supplier. Supplier shall not be liable for delays in delivery, fabrication or installation when such delays result from acts of government, acts of God, adverse weather, war, riot, labor disputes, civil insurrection or any other causes beyond Supplier's reasonable control, and the date of performance shall be adjusted for any such delays. Supplier shall not be responsible for damages for delayed completion.
6. **Contract Amendments.** Either Supplier or Owner may propose changes to the Work, and such changes shall be incorporated into the Work as long as each party agrees in writing upon the appropriate adjustments to the Contract Price and the schedule (each such writing being a "Change Order").
7. **Facility/Site Conditions.** Owner shall provide adequate and safe working and storage areas, utilities, and reasonable access to the Property. Owner shall pay any additional costs incurred by Supplier as a result of variations in the conditions of the Property (including but not limited to conditions that were not reasonably anticipated by Supplier.)
8. **Hazardous Conditions.** Upon execution of this Agreement, Owner will provide notice of any hazardous or dangerous conditions on the Property. In the event that Supplier encounters material on the site that is reasonably believed to be a hazardous substance, including without limitation, asbestos-containing material, Supplier will immediately stop work in the area affected and report the condition to the Owner.
 - A. Upon Supplier's notice, Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported and, in the event such material or substance is found to be present, to cause it to be rendered harmless. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of Owner and Supplier. By Change Order, the schedule shall be extended appropriately and the Contract Price shall be increased in the amount of Supplier's reasonable additional costs of shut-down, delay and start-up.
 - B. To the fullest extent permitted by law, Owner shall indemnify and hold harmless Supplier and its subcontractors, agents and employees or any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if hazardous materials or materials or substances that present the risk of bodily injury or death have not been rendered harmless, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss or expense is due to the fault or negligence of the party seeking indemnity.
9. **Labor.** Supplier will use prevailing wage rate labor for the performance of the Work.
10. **Indemnification.** Subject to the limitation of liability provided in Section 13
 - A. Owner agrees to defend and indemnify Supplier against any loss or expense from any claim or suit against Supplier as a result of any bodily injury or property damage caused by the negligence of Owner or its agents, employees, or suppliers; and
 - B. Supplier agrees to indemnify Owner for any loss or expense from any claim or suit against Owner as a result of any bodily injury or property damage caused by the negligence of Supplier or its subcontractors, agents or employees. In no event shall a party be required to indemnify the other party for the other party's negligence.

11. Insurance.

- A. **Owner's Insurance.** Owner will procure and maintain Commercial General Liability insurance from commencement of the Work until twelve (12) months after the Work is finally completed. The limit of liability under such insurance shall be at least \$1,000,000 for any one occurrence. Owner shall also purchase and maintain for the term of the Agreement both property and casualty insurance for the full replacement value of the Property and statutory workers compensation insurance.
- B. Owner and Supplier waive all rights of subrogation for workers compensation claims.
- C. **Supplier's Insurance.** Supplier shall purchase and maintain insurance of the following types of coverage and limits of liability:
 - 1. Commercial General Liability (CGL) \$1,000,000
 - 2. Business Automobile Liability \$1,000,000
 - 3. Umbrella \$1,000,000
 - 4. Worker's Compensation Statutory Limits
- D. Supplier will name Owner as an additional insured on commercial general liability insurance policies upon request with respect to Supplier's negligence in its performance under this Agreement.

12. **Limitation of Liability.** IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF ANY WORK PERFORMED HEREUNDER, INCLUDING, BUT NOT LIMITED TO, LOSS OF USE, LOSS OF PROFIT, BUSINESS INTERRUPTION, INTEREST, INCREASED EXPENSES OF OPERATION OF THE PROJECT, THE FACILITY OR OTHER FACILITIES, OR SPECIAL CONSEQUENTIAL LOSS OR DAMAGE, ARISING FROM ANY CAUSE WHATSOEVER (WHETHER SOUNDING IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE), ALL REGARDLESS OF WHETHER SUCH PARTY KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH LOSSES. To the fullest extent permitted by law, the total liability, in the aggregate, of Supplier to Owner or anyone claiming by or through Owner, for any and all liabilities, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Supplier's services or the Work, from any cause or causes whatsoever, including without limitation, negligence, strict liability, warranty, or breach of contract, shall not exceed the Contract Amount.

13. **Cancellation.** Upon cancellation of this Agreement prior to completion of the Work, Owner shall be responsible to Supplier for all costs of cancellation, including (1) the proportionate Contract Price for all Work completed, whether shipped or not, prior to Supplier's receipt of notice of cancellation; (2) all costs incurred by Supplier in connection with Work not completed at the time notice of cancellation is received; (3) Supplier's full anticipated fee for this Agreement and (4) all expenses incurred by Supplier by reason of such cancellation, including costs arising from termination of subcontractors and vendors. This clause shall not limit nor apply to Owner's remedies in the event Supplier breaches or fails to perform any of the material terms of this Agreement; provided, however, that Supplier's liability shall be subject to the limitation of liability set forth in these Terms and Conditions.

14. **Default.**

- A. If Owner fails to make payment for a period of thirty (30) days after the date the payment is due, Supplier may, upon three (3) days' written notice to Owner, terminate this Agreement and recover from the Owner payment for Work performed and for loss with respect to materials, equipment, tools, and construction equipment and machinery, including reasonable overhead and profit applicable to the Project.
- B. If Supplier fails to perform a provision of this Agreement or neglects to carry out the Work in accordance with this Agreement, within fifteen (15) days after receipt of written notice of such default from Owner, then Owner may perform or correct such deficiencies and may deduct the reasonably documented cost thereof from the payment due Supplier. If the unpaid balance of the Contract Price exceeds the cost of finishing the Work, such excess shall be paid to Supplier, but if such costs exceed such unpaid balance, Supplier shall pay the difference to Owner, subject to the limitation of liability set forth in these Terms and Conditions.
15. **Choice of Law.** This Agreement and any disputes arising under or related to it shall be governed by the laws of the State of Missouri.
16. **Assigns.** Neither party shall assign this Agreement without written consent of the other party. Notwithstanding the foregoing, Supplier will be permitted, without the prior written consent of Owner, to subcontract all or portions of the Work to third party subcontractors and/or to assign this Agreement to an affiliate of Supplier.
17. **Attorneys' Fees.** In any proceeding or other action brought by one party against the other party to enforce or interpret the terms of this Agreement or to resolve any dispute concerning any of the services, work, or obligations of this Agreement or any other matter arising out of this Agreement, the prevailing party in such proceeding or action shall be entitled, in addition to such other relief the court may grant, to an award of its costs and expenses incurred in connection with the proceeding or action, including, but not limited to, reasonable fees and disbursements of its attorneys.



Project:

Type:

Prepared By:

Date:

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.27A
240V:	0.23A
277V:	0.20A
Input Watts:	56W
Efficiency:	89%

LED Info

Watts:	50W
Color Temp:	5000K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	7070
Efficacy:	126 LPW

Specification grade area lights available in IES Type II distributions. For use in parking lots, roadways, pathways and general area lighting. Mounts to 4" square steel poles at 20-35'. 5 Year Warranty.

Color: Bronze

Weight: 32.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: P0000178S

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

IES Classification:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

Effective Projected Area:

EPA = 0.75

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color.

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

THD:

6.1% at 120V, 9.4% at 277V

Power Factor:

99.6% at 120V, 96% at 277V

Other

Patents:

The ALED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

Technical Specifications (continued)

Other

Equivalency:

Replaces 200W Metal Halide.

BAA Compliance:

Click for BAA compliance.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Buy American Act Compliance:

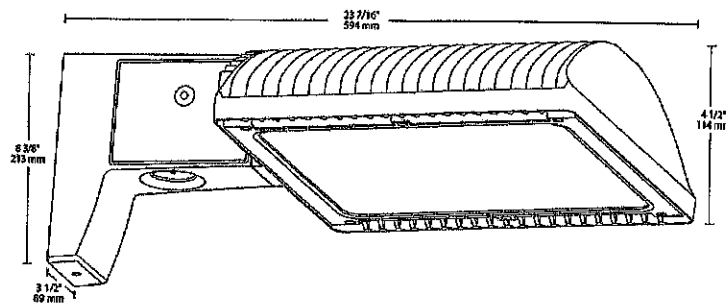
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G1

Dimensions

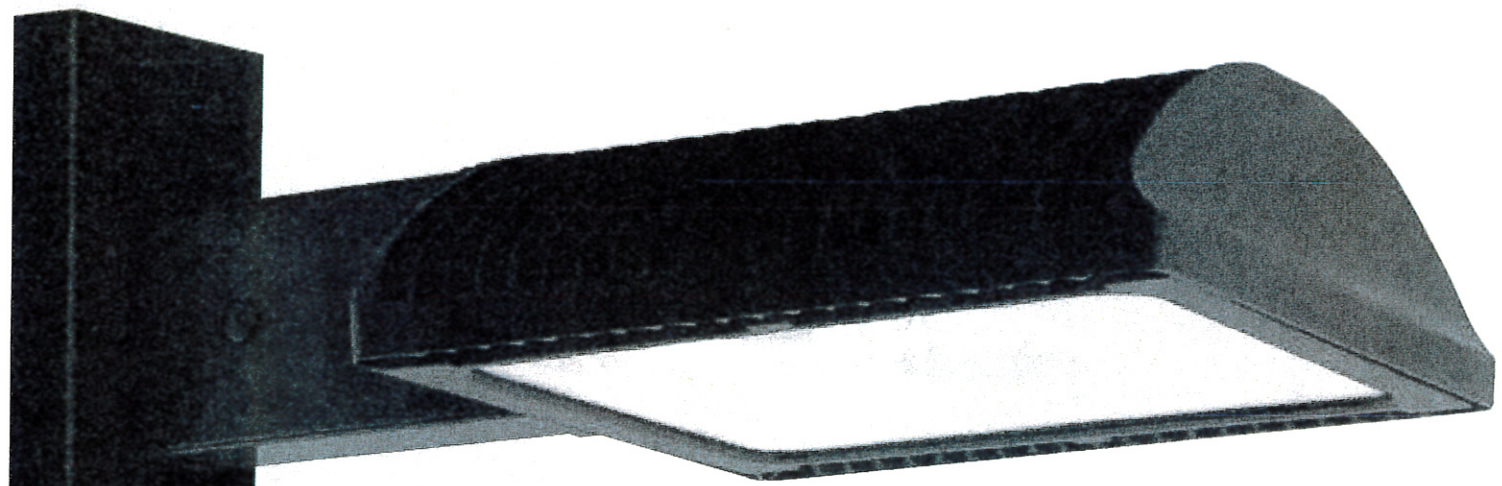


Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type II distribution
- 5-year warranty

Ordering Matrix

Family	Distribution	Wattage	Mounting	Color Temp	Finish	Voltage	Dimming	Control Options
ALED	2T	50						
	2T = Type II	50 =	Blank =	Blank =	Blank =	Blank = 120-277V	Blank =	Blank = No Option
	3T = Type III	50W	Arm	5000K (Cool)	Bronze	/480 = 480V (not available for 150W)	Standard	/PCS = 120V Swivel Photocell
	4T = Type IV	78 =	SF =	N = 4000K (Neutral)	RG =		/D10 = 0-10V Dimming	/PCS2 = 277V Swivel Photocell
		78W	Slipfitter	Y = 3000K (Warm)	Gray		/BL = Bi-Level	/PCT = 120-277V Twistlock Photocell (not available for Slipfitter mounting)
		105 =			W = White			/PCT4 = 480V Twistlock Photocell (not available for Slipfitter mounting)
		105W						/WS2 = Multi-Level Motion Sensor(50W, 78W and 105W only)
		125 =						/WS4 = Multi-Level Motion Sensor(125W and 150W only)
		125W						/LC = Lightcloud® Control
		150 =						
		150W						



LED 150

Replaces 400 Watt MH Area Light!

RAB | Outdoor

Specification-Grade Optics

ALED 150

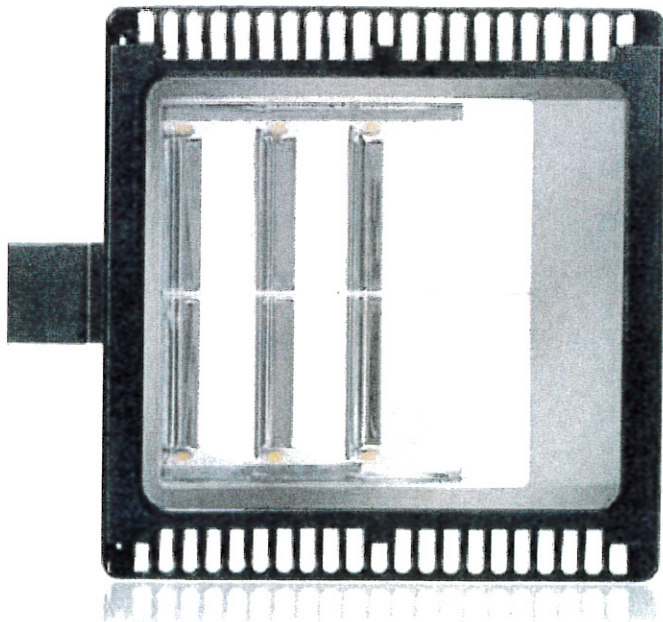
RAB engineered "specification-grade" optics for the ALED150 that deliver efficient, clean, uniform light distributions at a reasonable cost. The vacuum-metallized specular reflector creates what is known as "repeatable" optics manufacturing, ensuring consistent, reliable distribution. The optics are factory installed and meet IES Lateral Distribution Types II, III and IV.

For assistance in choosing the distribution to match your application, please contact RAB's Lighting Design department by emailing lightingdesign@rabweb.com or calling 888 722-1000.

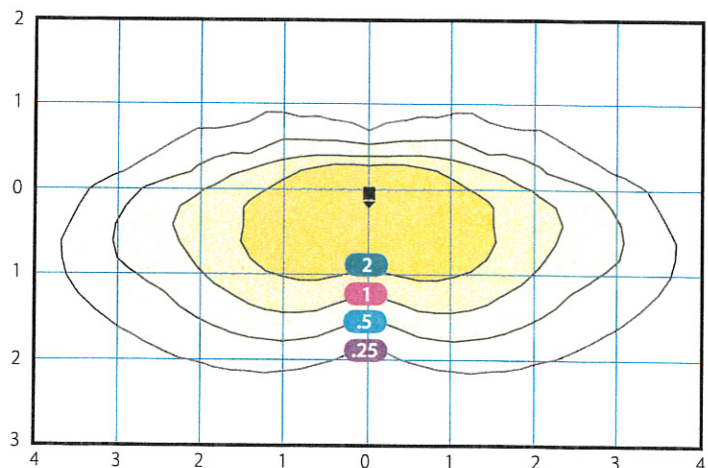


Type II

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. Meant for lighting larger areas and usually located near the roadside, this type of lighting is commonly found on smaller side streets or jogging paths.



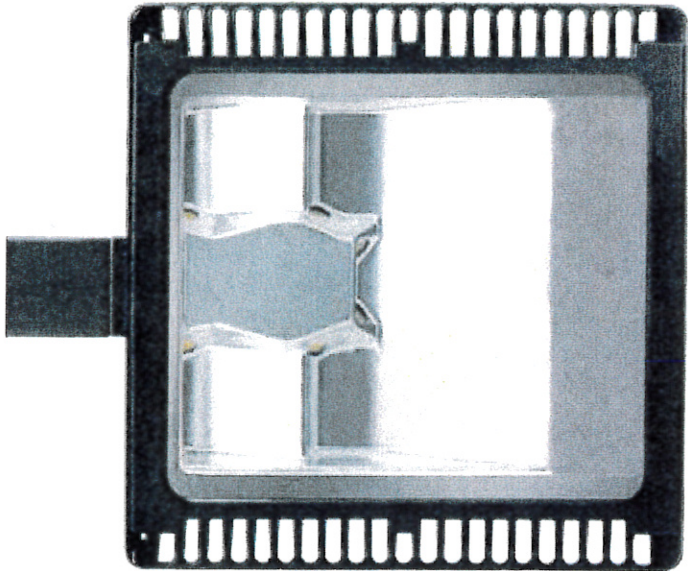
ALED2T150 Mounted at 25 ft.



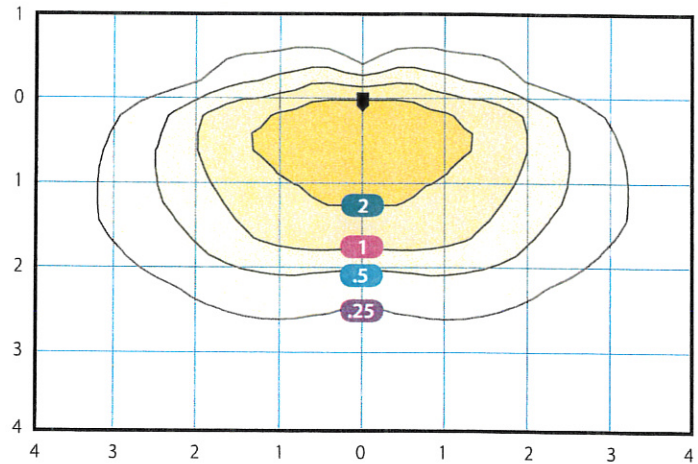
Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79617

Type III

The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.



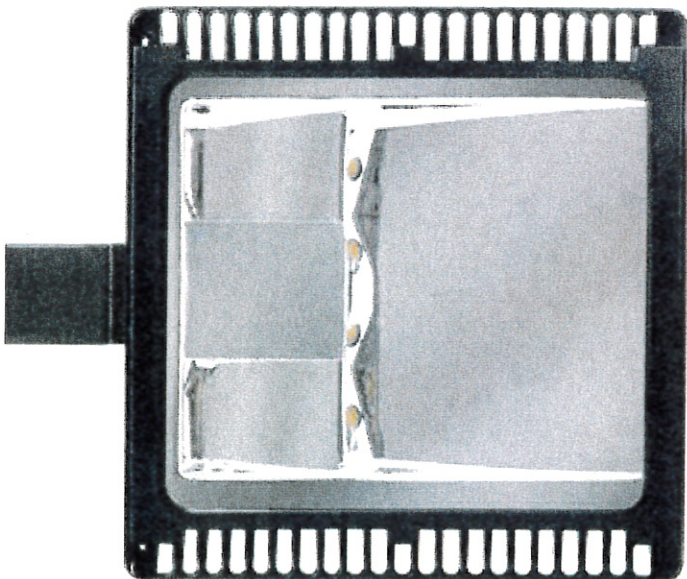
ALED3T150 Mounted at 25 ft.



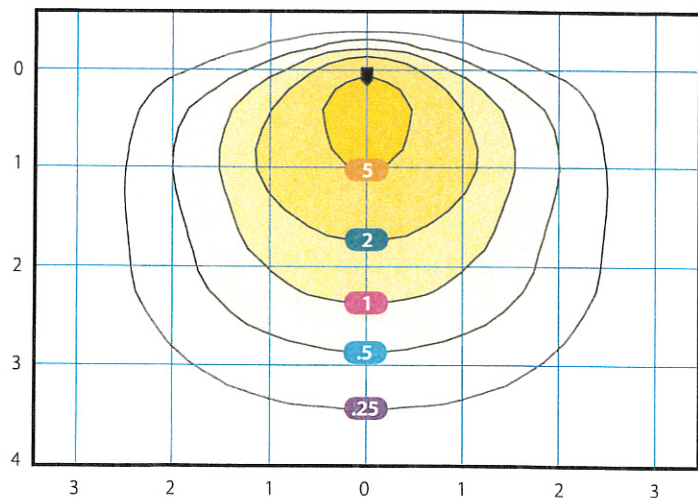
Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79623

Type IV

The Type IV distribution (also known as a "Forward Throw") is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90 to 270 degrees.



ALED4T150 Mounted at 25 ft.



Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79629

ALED150

- Replaces 400W MH area lights
- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type II, III and IV distribution (also available as a wallpack)
- Slipfitter mounting available
- Bi-level operation (optional)
- Various photocell options available
- 5-Year Warranty

Specifications

UL Listing: Suitable for wet locations.

LEDs: Multi-chip, high-output, long-life LEDs

Lifespan: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver(s): Class 2, 2000mA, 100 - 277V and 480V, 50/60 Hz, Surge protection 4 kV

Bi-Level Operation (optional): Allows 50% and 100% output modes

Dimming: Available as On/Off or with 0-10V dimming driver (*all models except the ALED105 family*)

Cold Weather Starting: The minimum starting temperature is -40°C.

Thermal Management: Superior thermal management with external Air-Flow fins

Housing: Die-cast aluminum housing, lens frame and mounting arm

Mounting: Heavy-duty, with "O" ring seal & stainless steel screws

Gaskets: High-temperature silicone gaskets

Color Consistency: 7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability: LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Reflector: Specular vacuum-metallized polycarbonate

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

California Title 24: ALED150 complies with California Title 24 building and electrical codes.

Dark Sky Approved: The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

For use on LEED Buildings: IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Performance*

Cool Light (5000K)

Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	7564	10,384	12,805	14,349
Lumens Per Watt	96	98	94	92
Color Accuracy (CRI)	67	65	65	65

Neutral Light (4000K)

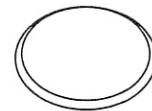
Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	6673	8790	10,952	11,786
Lumens Per Watt	84	83	80	76
Color Accuracy (CRI)	82	82	82	82

Warm Light (3000K)

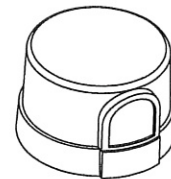
Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	5968	8461	10,464	11,352
Lumens Per Watt	75	80	77	74
Color Accuracy (CRI)	82	81	81	81

* Values shown for Type IV. Visit rabweb.com for Type II and III.

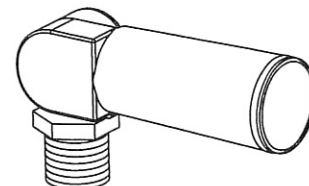
Accessories



Button Photocell
(not available for slipfitter mount)



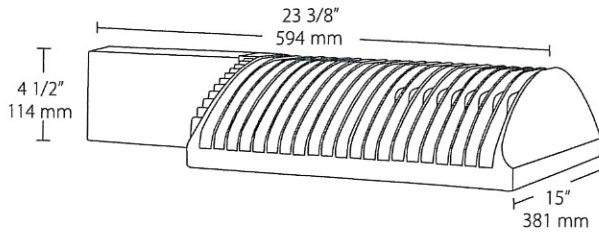
Twistlock Photocell
(not available for slipfitter mount)



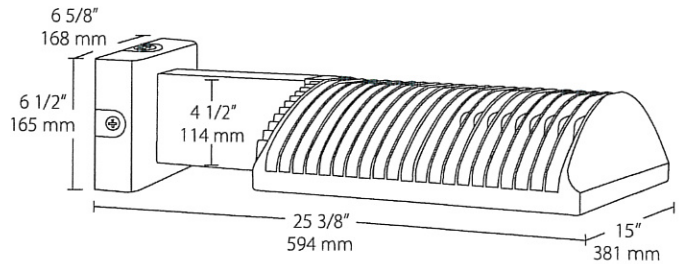
Swivel Photocell

Dimensions & Weight

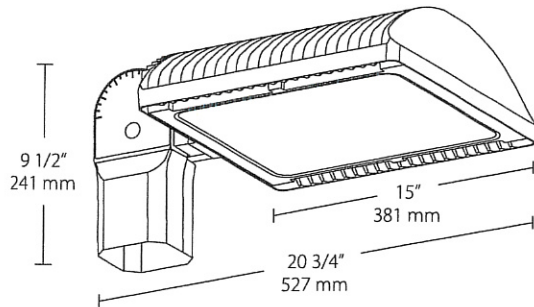
POLE MOUNT - Weight: 30 lbs. **EPA:** 0.75



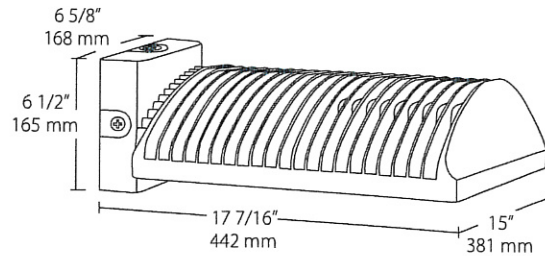
WALLPACK - Weight: 34.8 lbs.



SLIPFITTER - Weight: 32 lbs. **EPA:** 2.2



WALLPACK (NO ARM) - Weight: 26 lbs.



Ordering Information

Product Family	Optics	Wattage	Mounting	Color Temp	Finish Color	Driver Options	Photocell Options
ALED							
2T Type II	50 50W	Blank Pole mount	Blank 5000K	Blank Bronze	/480 480V	/PC 120V*	
3T Type III	78 78W	SF Slipfitter	N 4000K	RG Gray	/BL Bi-Level	/PC2 277V*	
4T Type IV	105 105W		Y 3000K	W White	/D10 0 - 10V Dimming	/PCT 120-277V Twistlock*	
	125 125W			K Black		/PCT4 480V Twistlock*	
	150 150W					/PCS 120V Swivel	
						/PCS2 277V Swivel	
						/PCS4 480V Swivel	
						/WS2 Multi-level motion** sensor (20 ft. mt. ht.)	
						/WS4 Multi-level motion** sensor (40 ft. mt. ht.)	

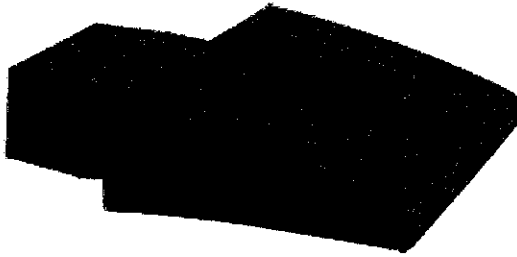
*Pole mount models only.
**Only available with 0 - 10V dimming models.

Product Family	Optics	Wattage	Color Temp	Mounting	Finish Color	Driver Options	Photocell Options
WPLED							
2T Type II	50 50W	Blank 5000K	Blank Arm	Blank Bronze	/480 480V	/PC 120V	
3T Type III	78 78W	N 4000K	FX No Arm	W White	/BL Bi-Level	/PC2 277V	
4T Type IV	105 105W	Y 3000K			/D10 0 - 10V Dimming	/PCT 120-277V Twistlock	
	125 125W					/PCT4 480V Twistlock	
	150 150W					/PCS 120V Swivel	
						/PCS2 277V Swivel	
						/PCS4 480V Swivel	
						/WS2 Multi-level motion** sensor (20 ft. mt. ht.)	
						/WS4 Multi-level motion** sensor (40 ft. mt. ht.)	

**Only available with 0 - 10V dimming models.



Please visit rabweb.com to see which products are DLC listed.



Ultra-high efficiency LED 18 Watt wall pack, patent-pending thermal management system, 100,000 hour L70 lifespan, 5-year, no-compromise warranty.

Color: Bronze

Weight: 6.9 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.17A
208V	0.11A
240V	0.09A
277V	0.08A
Input Watts	20.5W
Efficiency	88%

LED Info

Watts	18W
Color Temp	5000K (Cool)
Color Accuracy	73 CRI
L70 Lifespan	100,000
Lumens	2,624
Efficiency	128 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000176N

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LED:

Multi-chip, high-output, long-life LED

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior heat sinking with external Air-Flow fins

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Reflector:

Semi-specular, vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

Green Technology:

Mercury and UV free. RoHS-compliant components.

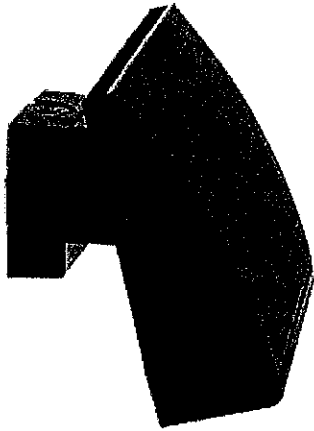
Other

Patents:

The design of WPLED18 is protected by US patent D608,040, Canada patent 138280, and China patent CN301649064S

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.



Project:	Type:
Prepared By:	Date:
Driver Info	
Type:	Constant Current
120V:	0.51A
208V:	N/A
240V:	N/A
277V:	N/A
Input Watts:	61W
Efficiency:	86%
LED Info	
Watts:	52W
Color Temp:	5000K
Color Accuracy:	65 CRI
L70 Lifespan:	100000
Lumens:	5,896
Efficacy:	97 LPW

LED 52W Wallpacks. 3 cutoff options. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze

Weight: 17.6 lbs

Technical Specifications

Electrical

Photocell:

120V Swivel Photocell Included. Photocell is only compatible with 120V.

Drivers:

Two drivers, constant current, 720mA, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC .8 Amps.

THD:

8.3% at 120V, 11% at 277V

Surge Protection:

6kV

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: P0000173W

Optical

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Replacement:

The WPLED52 replaces 250W HID Wallpacks.

BUG Rating:

B0 U2 G3

LED Characteristics

LEDs:

Two (2) multi-chip, high-output, long-life LEDs.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The WPLED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

Housing:

Precision die cast aluminum housing, lens frame.

Mounting:

Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two-piece bracket with tether for ease of installation and wiring.

Arm:

Die-cast aluminum with wiring access plate.

Cutoff:

Standard (15°)

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone.

Lens:

Tempered glass

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

WPLEDs are Mercury and UV free.

Technical Specifications (continued)

Other

California Title 24:

WPLED52/PCS complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted at height greater than 24 feet. For mounting heights < 24 feet see WPLED52/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

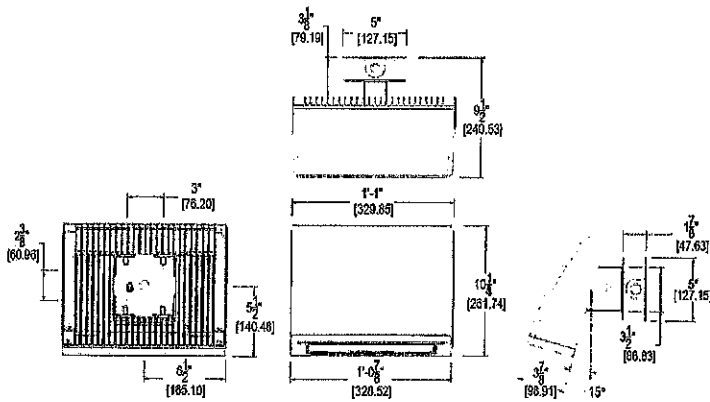
Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Patents:

The WPLED design is protected by patents in the U.S. Pat D663,377, Canada Pat. 142252, China Pat. ZL201130356930.8, and Mexico Pat. 36921 and pending patent in TW.

Dimensions



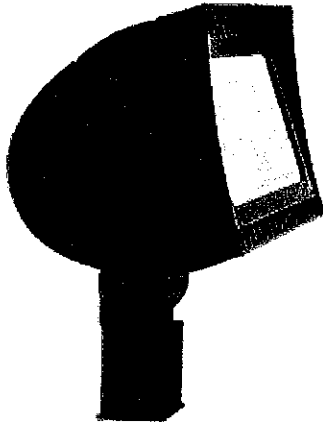
Features

- High performance LED light engine
- Maintains 70% of initial lumens at 100,000 hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- Replaces 250W MH
- Traditional wallpack look from the front
- 3 cutoff options
- 5-year warranty

Ordering Matrix

Family	Cutoff	Watts	Color Temp	Finish	Voltage	Photocell	Bi-Level	Dimming
WPLED	= Standard C = Cutoff FC = Full Cutoff	52 = 52W	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	= Bronze W = White	= 120-277V /480 = 480V	= Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel	= No Bi-Level /BL = Bi-Level	= No Dimming /D10 = Dimmable

FXLED150SF



Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 1.31A
208V: 0.80A
240V: 0.69A
277V: 0.60A
Input Watts: 155W
Efficiency: 97%

LED Info

Watts: 150W
Color Temp: 5000K
Color Accuracy: 65 CRI
L70 Lifespan: 100000
Lumens: 14,440
Efficacy: 93 LPW

Ultra high output, high efficiency LED floodlight with wide NEMA type 6H x 6V beam spread. Patent Pending airflow technology ensures long LED and driver lifespan. Use for general and security lighting for large areas, building facades, signs and landscapes.

Color: Bronze

Weight: 25.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for ground mounting.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have been received the Department of Energy "Lighting Facts" label.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P0000173K

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Effective Projected Area:

EPA = 2

Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

Thermal Management:

Superior thermal management with external Air-Flow fins.

Housing:

Die-cast aluminum housing and door frame

Mounting:

Heavy-duty Slipfitter for 2 3/8"OD pipe.

Reflector:

Specular, vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Drivers:

Two Drivers, Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, Power Factor 99%

THD:

5.3% at 120V, 13.1% at 277V

Optical

NEMA Type:

NEMA Beam Spread of 6H x 6V

Replacement:

The FXLED150 replaces 400W Metal Halide Floodlights.

Sensor Characteristics

Field & Beam Angles:

Horizontal Beam Angle (50%): 91.8°, Vertical Beam Angle (50%): 73.5° Horizontal Field Angle (10%): 121.0°, Vertical Field Angle (10%): 108.0°

Other

California Title 24:

See FXLED150SF/D10, FXLED150SF/BL, FXLED105SF/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

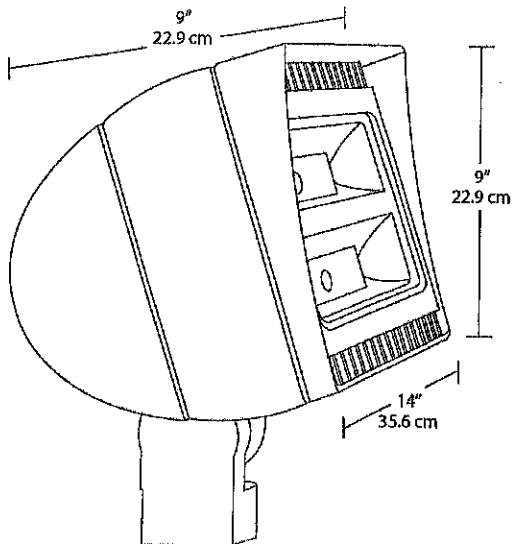
Technical Specifications (continued)

Other

Patents:

The design of FXLED150 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

Dimensions

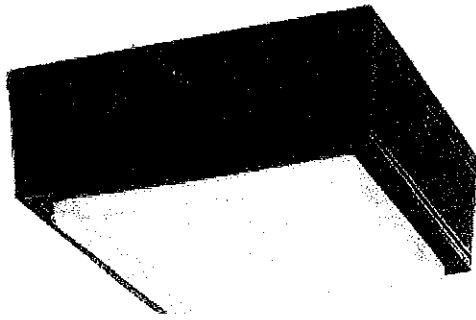


Features

- 66% energy cost savings vs. HID
- NEMA Type - 6H x 6V
- Air-Flow technology heat dissipation
- 100,000-hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	Watts	Mount	Color Temp	Finish	Dimming	Voltage	Photocell	BI-Level
FXLED	150 = 150W	T = Trunnion SF = Slipfitter	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	= Bronze W = White	= No Dimming /D10 = Dimmable	= 120-277V /480 = 480V	= No Photocell /PCT = 120-277V Twistlock Photocell /PCS = 120V Swivel /PCT4 = 480V Twistlock Photocell	= No BI-Level /BL = Bi-Level



Project:

Type:

Prepared By:

Date:

Driver Info

Type:	Constant Current
120V:	0.30A
208V:	0.20A
240V:	0.17A
277V:	0.15A
Input Watts:	22W
Efficiency:	92%

LED Info

Watts:	20W
Color Temp:	5000K
Color Accuracy:	78 CRI
L70 Lifespan:	100000
Lumens:	2740
Efficacy:	126 LPW

Low-profile vandal-resistant fixture covers the footprint of most traditional canopy lights. Available in flat or drop lens with frosted and unfrosted options.

Color: Bronze

Weight: 12.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for Wet Locations. Covered Ceiling Mount Only.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: PZQ1Z223

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label

Electrical

Driver:

Class 2, Constant Current, 100-277V, 50-60Hz, 500mA

THD:

6.1% at 120V, 10.1% at 277V

Construction

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Housing:

Die-cast aluminum housing and lens frame with (4) 1/2" NPS side conduit entries and weatherproof rear wire plug and access plate

Mounting:

Ceiling mount to recessed junction with knockout template or directly to ceiling surface, utilizing side conduit entry points

IP Rating:

Ingress Protection rating of IP66 for dust and water

Lens:

Vandal-resistant polycarbonate textured opaque for low glare drop lens

Reflector:

Semi-specular, vacuum-metalized polycarbonate

Gaskets:

High-temperature silicone gaskets

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

LED Characteristics

LEDs:

Discreet LEDs on PCB board

Color Stability:

RAB LEDs exceed industry standards for chromatic stability

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. See our full warranty

Replacement:

Replaces up to 70W Metal Halide

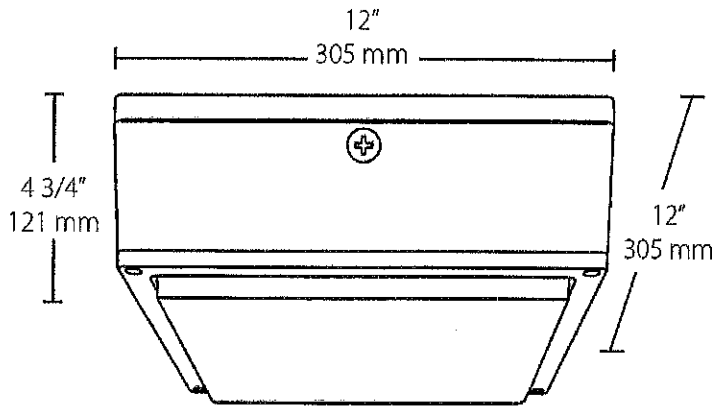
Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

VANLED20

RAB

Dimensions

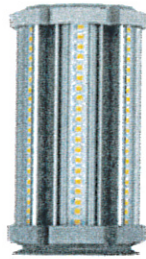


Features

- Fits the footprint of older canopy lights
- Vandal resistant and UV resistant lens
- Ultra-high efficiency
- Clean, contemporary, low-profile design
- Available with drop lens or flat lens
- IP66 rated, keeps dust, bugs and water out
- Photo and motion sensor options available

Ordering Matrix

Family	Wattage	Color Temp	Lens	Motion Sensor & Finish	Driver Options	Photocell Options
VANLED						
	10 =	Blank =	Blank = Drop	Blank = Bronze, no sensor	Blank = On/Off driver	/PCS = 120V
	10W	5000K (Cool)	lens	W = White, no sensor	/D10 = 0-10V Dimming (not available for 10w)	Swivel
	20 =	N = 4000K	F = Flat lens	MS = Bronze w/ SMS500 mini-sensor (not	/480 = 480V (not available for 10W or 20W)	/PCS2 = 277V
	20W	(Neutral)	FR = Frosted	available w/ D10 models)	/480/D10 = 480V w/ 0-10V dimming (not	Swivel
	40 =	Y = 3000K	Drop Lens	MSW = White w/ SMS500 mini-sensor (not	available for 10W or 20W)	/PCS4 = 480V
	40W	(Warm)	FFR = Frosted	available w/ D10 models)		Swivel
	52 =		Flat Lens			
	52W					
	65 =					
	65W					
	75 =					
	75W					



FLA33



Replace 50 - 400W MH lamps for post tops, low bays, and high bays, in enclosed or open fixtures. 50,000-hour lifespan. Use 76% less energy than MH.

Color: White

Weight: 0.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Watts 27W
 Color Temp 5000K (Daylight)
 Lumens 3,900
 Efficacy 144.4 LPW
 Color Accuracy 80 CRI
 L70 Accuracy 50,000

LED Info

Input Voltage 100-277V
 Power Factor 0.9
 Flicker <30%
 THDI <20%
 R9

Technical Specifications

Listings

UL Listed:

Yes

UL Classified:

Yes

FCC:

Yes

Rohs:

Yes

CEC Status:

Lawful for sale in California

Description

Lamp Type:

HID

Bulb Type:

Post Top

Base Type:

E26, Medium Screw Base

Construction

Operating Temperature:

-20 - 40°C

Bare Lamp Illuminated Length (inches):

3.39"

MOL (inches):

6.57"

MOD (inches):

2.36"

Minimum Compartment Size (inches):

Length: 5.98"

Width: 5.98"

Height: 8.5"

LED Characteristics

Lifespan:

50,000-hour LED lifespan based on IES LM-70 results

Technical Specifications

Dimmable:

No

Optical

Beam Angle:

360°

Other

Warranty:

5-years

Accessories:

Surge protector available. Click [here](#) for surge protector accessory. Sold separately.

Note:

If the lamp reaches a temperature in an application to 110°C, the lamp will automatically reduce itself to 70% of rated wattage.

If the ambient temperature continues to increase and reaches 120°C, the lamp will reduce itself to 50% of rated wattage.

If the lamp reaches an application of 120°C, the lamps will remain at that level until they are turned off at which time they will reset and come back on a full brightness.

Technical Specifications (continued)

Shipping Information

Case Qty:

12

Case Dimensions:

12.2 x 9.06 x 9.45

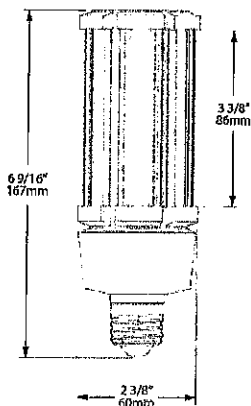
Pallet Quantity of Pieces:

432

Pallet Dimensions:

38.19 x 38.58 x 42.52

Dimensions

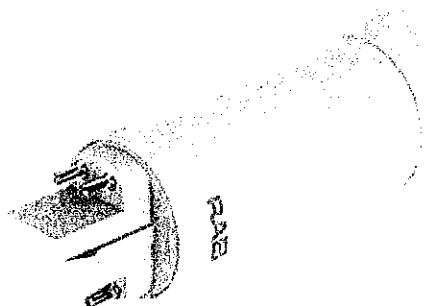


Features

- HID REPLACEMENT - Replacement for conventional HID lamps
- BALLAST BYPASS - Internal driver eliminates the need for external driver or ballast
- COMPACT DESIGN - Allows the lamp to fit in most fixtures
- INSTALLATION ORIENTATION - Lamps can be installed universally Base up, down or sideways
- HEAT DISSIPATION - Thermal technology extends lifespan
- WATER & DUST RESISTANT - Ideal for outdoor fixtures
- ENCLOSED FIXTURE RATED - May be used in enclosed and open fixtures
- INSTANT ON - No warmup time required, full brightness instantly
- SURGE PROTECTION - Includes 4kV surge protection

Ordering Matrix

Family	Lamp Power	Base Type	CRI/Color Temp	Installation Type	Lamp Type
HID	27	E26	850	BYP	PT
	12 = 50W	E26 = E26	830 = 3000K	BYP = Bypass	PT = Post Top
	18 = 75W	EX39 = EX39	840 = 4000K		
	27 = 125W		850 = 5000K		
	36 = 150W				
	45 = 175W				
	54 = 200W				
	63 = 250W				
	80 = 320W				
	100 = 400W				



Project:

Type:

Prepared By:

Date:

Replace cluster and 3U-pin base compact fluorescent lamps.

Color: White

Weight: 0.3 lbs

Driver Info

LED Info

Watts	9W	Input Voltage	Ballast Dependent
Color Temp	5000K (Daylight)	Power Factor	Ballast Dependent
Lumens	1,000	Flicker	N/A
Efficacy	111.1 LPW	THDI	<20%
Color Accuracy	82 CRI	R9	
L70 Accuracy	50,000		

Technical Specifications

Listings

UL Listed:

Yes

FCC:

Yes

Rohs:

Yes

CEC Status:

Lawful for sale in California

DLC Qualified:

Yes

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PLXB2K0AYNNI

Description

Lamp Type:

PLC/T Compacts

Bulb Type:

PLC/T

Base Type:

G24q, 4 Pin

Orientation:

Vertical

Material:

Glass

LED Characteristics

Installation Type:

Type A

Lifespan:

50,000-hour LED lifespan based on IES LM-70 results

Construction

Operating Temperature:

-20 - 40°C

MOL (Inches):

4.69"

MOD (Inches):

1.85"

Technical Specifications

Dimmable:

No

Other

Warranty:

5-years

Shipping Information

Case Qty:

12

Technical Specifications (continued)

Shipping Information

Case Dimensions:

8.07 x 6.1 x 5.12

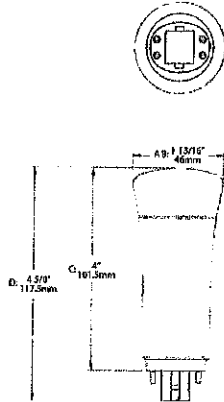
Pallet Quantity of Pieces:

2880

Pallet Dimensions:

47.24 x 39.37 x 47.64

Dimensions

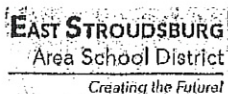


Features

- FLUORESCENT REPLACEMENT** - Replacement for conventional fluorescent PLC lamps
- BALLAST COMPATIBLE** - Works on existing electronic ballasts, no need to rewire
- INSTANT ON** - No warmup time required, full brightness instantly
- HIGH EFFICACY** - Provides same output as fluorescent but uses far less energy 111+ Lumens per watt
- 50,000-HOUR LIFESPAN** - Lasts 2-3x longer than conventional lamps
- SAVE ENERGY AND MONEY** - Approximately 40% more efficient than conventional pin-base CLFs with G24q base
- MERCURY FREE** - Environmentally friendly vs fluorescent technologies

Ordering Matrix

Family	Lamp Power	Orientation	CRI/Color Temp	Installation Type
PLC	9	V	850	DIR
	9 = 28W	H = Horizontal V = Vertical	830 = 3000K 835 = 3500K 840 = 4000K 850 = 5000K	DIR = Ballast Compatible



V.I.C.I.

Denise Rogers <denise-rogers@esasd.net>

Re: South Indoor Batting Cage

1 message

Brett Derrig [PSI] <brett@practicesports.com>
To: Denise Rogers <denise-rogers@esasd.net>

Fri, Jan 25, 2019 at 12:14 PM

Good Afternoon Denise!

Here is the pricing for a 70' L x 28' W x 14' H Tandem Air Cage 1.0 Including Installation and removal of the existing divider curtain:

\$24,400

If you decide to not have us remove the divider curtain, you can deduct \$750 from this pricing.

50% deposit would be due to get you booked on our schedule and the remaining 50% would be due upon completion of the job.

Please let me know if you would like me to send you an official quote!

Thanks

Brett Derrig | Facility Specialist

Practice Sports, Inc. | 14706 Giles Rd. Omaha, NE 68138
800.877.6787 | 402.592.2000 | Fax: 800.577.3046
brett@practicesports.com | practicesports.com

** They require us to remove the divider curtain which we would prefer NOT to do.*



PracticeSports Highlight Video



Training Facility Discount Program

On Thu, Jan 24, 2019 at 8:39 AM Denise Rogers <denise-rogers@esasd.net> wrote:
Brett:

Here is the information.

-Denise

----- Forwarded message -----

From: Curtis Beam <curtis-beam@esasd.net>
Date: Thu, Jan 24, 2019 at 9:20 AM
Subject: South Indoor Batting Cage
To: Denise Rogers <denise-rogers@esasd.net>
Cc: Scott Ihle <scott-ihle@esasd.net>

Denise,

Attached is the information about the South batting cage.

Curtis Beam

Maintenance Supervisor
East Stroudsburg Area School District
50 Vine St.
East Stroudsburg, PA 18301
Phone: (570)424-8500. ext:10422
Cell: (570)807-6214

V1.C-2

JGB Sports, LLC

169 Barbara Place
Middlesex, NJ 08846

Estimate

Date	Estimate #
7/11/2019	6645

Phone #	732-469-3253	Fax #	732-271-0149
E-mail	syip@jgbsports.com	Cell Phone	908-720-9225

Name / Address

East Stroudsburg Area School District
50 Vine Street
East Stroudsburg, PA 18301

Customer Phone	Customer Fax
570-424-8500	

Ship To

East Stroudsburg High School South
279 North Courtland Street
East Stroudsburg, PA 18301

Terms	Due Date	Rep	FOB
PO N30	3/1/2019	SY	

Item	Description	Qty	Cost	Total
SPUBBA	BBC-5512B: Ceiling Suspend Retract Cage - Custom size per site check.	2	6,729.00	13,458.00T
SPUBBA	Custom Attachment kit per site check and custom by MJS	2	1,845.00	3,690.00T
Freight	Freight, Customer unload, freight may vary due to surcharges. Ship to address change on delivery date will incur additional cost. Does Not Include Inside Delivery or Lift Gate Delivery	1	837.07	837.07
JMATLAB	Custom installation: Complete installation Final electric by customer. Site check conducted by MJS on 2/4/2019. 19LV037.2	1	8,600.00	8,600.00T
	Sales Tax - Exempt		0.00%	0.00

Quote is effective 30 days from date.

Total \$26,585.07

Customer Signature: _____



V.I.C. 3

Quote

150 Wood Rd, Suite 200
 Braintree, MA 02184
 Phn: 800.365.6171
 Fax: 508.580.0211
 www.OnDeckSports.com
 800.365.6171

Date	Quote #
12/19/2018	QT5310228

Bill To
 Kane Furst
 East Stroudsburg High School South Baseba
 42 Borough Street
 Apt. A
 East Stroudsburg PA 18301

Ship To
 Kane Furst
 East Stroudsburg High School South Baseba
 42 Borough Street
 Apt. A
 East Stroudsburg PA 18301

Expires	Sales Rep	Memo	Shipping Met...	phone numb...
1/18/2019	Ryan Kane		Freight Other	

Item	Quantity	Units	Description	Options	Rate	Amount
MISC-QUEB	2		Model E Vertical Retractable Batting Cage Manual Assist with Side Wall Netting, Includes: Cage Net, Hardware, and Electrical Brake and Motor; 2 HP Motor, 208 V 3-Phi Size: 12'H x 15'W x 55'L QTY 2		8,995.00	17,990.00
INSTALL	1	EA	Installation of Electric Motorized Retractable Batting Cage Systems Listed Above: - Includes all labor, travel, lodging and per diem - Any changes, additions, or delays to installation may result in added fees		6,950.00	6,950.00
Install-Lift	1	EA	Installation : Lift to hang the netting systems listed above ***Note: The client is responsible for providing electrical work/supply as per system requirements. Client is also responsible for confirming system meets all building code and fire regulations as per state/town codes. Customer is responsible for unloading the products off the freight truck at the time of delivery. This is shipping to a Non-Commercial address like a school, residence, field, etc. If initial delivery attempt is missed, a redelivery fee may apply. Any added services like lift gate, change of address, inside delivery, etc. must be agreed to in writing and paid for before they will be authorized.		950.00	950.00

Subtotal	25,890.00
Shipping Cost (Freight Other)	1,900.00
Total Tax	1,667.40
Total	\$29,457.40

We look forward to doing business with you.

Customer returns will require an On Deck Sports return authorization number. In addition, such returns will be subject to a freight charge to return the product to On Deck Sports and a restocking fee.

On Deck Sports does not accept returns on used turf and certain custom products. For further details related to On Deck Sports return policies refer to our website at www.ondecksports.com/returns.



6597 Joy Road • East Syracuse, NY 13057
 ph (315)622-1313 • fax (315)622-2900
 www.nagleathletic.com

V1.D.1

Quality. Service. Value. It's what we do.

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THE SURFACE SPECIALISTS

Laykold® Rekortan® *Aquarian*

Proposal # P-004077-1	
Proposal Submitted To: Denise Rogers	At: East Stroudsburg Area SD
Street: 50 Vine Street	City, State and Zip Code: East Stroudsburg, PA 18301
Phone and Fax Number: (570) 424 - 8500/(570) 421 - 4968	Date of Proposal: 07/17/2019
Name of Job: E. Stroudsburg Area SD South High School 5 Tennis Courts Resurfacing	Location of Job: East Stroudsburg South High School

Furnish all materials, labor and insurance to install the following:
WORK TO BE PERFORMED AT EAST STROUDSBURG AREA SD SOUTH HIGH SCHOOL 5 TENNIS COURTS:

2020 BUDGET Pricing is based on COSTARS Supplier #343306 Contract #014-179 Recreational & Fitness Equipment

1. Thoroughly clean surface with pressure washing. (Nagle Athletic Surfaces uses the Cyclone 5000Y vehicle mounted and the Cyclone CY210 walk-behind units for pressure washing. These units produce hot water and are equipped with a rotating high-pressure washing head capable of producing 4,000 PSI while controlling water run-off.) Facility owner is responsible for providing a water source for washing surfaces.
2. Air blow and clean all bituminous concrete surfaces.
3. Install one coat Laykold acrylic resurfacer fortified with 60 mesh angular sand to entire area.
4. Install two coats Laykold color fortified with 80 mesh rounded sand to entire area.
5. Layout, mask and paint five sets of tennis lines with acrylic white line paint.
6. Thoroughly clean general work area.

Pricing is based on the Laykold Standard Color Chart with the exception of Royal Purple. Selection of Royal Purple will result in an increase in price.

Note: Patching of depressions ("Bird Baths") in the existing pavement surface is not included in this proposal. Note: Repairs to fence post concrete footers, inside and outside the fence, are not included in this proposal.

Price based on paying prevailing wage rates to Nagle Athletic Surfaces, Inc.'s employees.

* Nagle Athletic Surfaces, Inc. maintains; a drug free workplace, OSHA safety trained field staff, and background clearances as required.

USE TAX ON MATERIALS INCLUDED IN PRICE

We Propose hereby to furnish materials and labor-complete in accordance with the above specifications, for the sum of : \$46,832.00

Payment to be made as follows:

Proposal # P-004077-1

Payment terms as per approved contract

Proposal submitted by Paul Brown IV and is valid for 60 days.

Proposal # P-004077-1

Conditions:

Acceptance of our bid and price by Contractor/Owner shall be acceptance of all terms and conditions recited herein which shall supersede any conflicting term in any other contract document. Contractor's/Owner's agreement herewith shall be evidenced by Nagle Athletic Surfaces commencement of work for project.

Nagle Athletic Surfaces, Inc. is not responsible for the layout and establishment of grades as done by others. Nagle Athletic Surfaces, Inc. accepts no responsibility for improper design or engineering.

This proposal is based on the payment of prevailing wage rates if applicable, to Nagle Athletic Surfaces, Inc. personnel. Any union labor required due to the general contractors contractual union agreements, project labor agreements and or specific apprenticeship requirements will be provided at no cost to Nagle Athletic Surfaces, Inc.

The Contractor/Owner will cooperate with Nagle Athletic Surfaces to avoid scheduling conflicts or interference with Nagle Athletic Surfaces' work. The project schedule, and any modification of that schedule, shall allow the Nagle Athletic Surfaces reasonable time, as outlined in the proposal, to complete Nagle Athletic Surfaces' work in an efficient manner. Contractor/Owner will provide Nagle Athletic Surfaces a complete initial project schedule, as well as any subsequent revisions, outlining all phases of work for project.

If there is a change in the project schedule, or if there is any delay not caused by Nagle Athletic Surfaces, Nagle Athletic Surfaces will be entitled to reimbursement for any increased costs of materials and for any increased cost of labor, including overtime. Nagle Athletic Surfaces' entitlement to increased costs is not limited to the amounts that the Contractor may receive from the Owner under the prime contract.

Nagle Athletic Surfaces will not be required to commence or continue work until the project site is in an adequate condition, as outlined in the proposal and/or as outlined in the architectural specifications, for this work to begin. If the project site is not in an adequate condition for Nagle Athletic Surfaces to start work, that is a delay under the terms of this contract. Any and all resulting liquidated damages and claims against Nagle Athletic Surfaces shall be waived for said delays.

Nagle Athletic Surfaces' completion of its scope of work is dependent of weather conditions. Nagle Athletic Surfaces will suspend work on the project if any of the following weather conditions exist: 1) rain, 2) Temperatures below manufacturer's specifications or 3) high winds. The schedule shall be extended by the exact duration of any and all weather related suspensions of work. Any and all liquidated damages or claims shall be waived due to any delays caused by weather related suspensions of work.

The Contractor/Owner may make no claim for liquidated or actual damages caused by Nagle Athletic Surfaces' delay beyond the money which the Contractor /Owner has to pay for that delay under the terms of the contract.

Any indemnification or hold harmless obligation of Nagle Athletic Surfaces to the Contractor/Owner will extend only to claims relating to property damage or bodily injury, and only to the extent that the property damage or bodily injury was caused by the negligence or intentional act of Nagle Athletic Surfaces, its employees, or its subcontractors.

No back charge by the Contractor/Owner will be valid unless Nagle Athletic Surfaces has been given written notice of the Contractor's/Owner's claim, has been allowed reasonable time to correct any deficiency, and has failed to do so. Further, any back charge will not exceed an amount reasonably calculated to cover the cost of the anticipated liability or claim. All remaining amounts due Nagle Athletic Surfaces will be promptly paid.

The Contractor/Owner is liable to Nagle Athletic Surfaces for any expenses incurred by Nagle Athletic Surfaces in enforcing the terms of this addendum, including, but not limited to, reasonable interest and attorney fees.

Nagle Athletic Surfaces, Inc. agrees to procure and maintain the following insurance coverage:

- (a) Commercial general Liability insurance, blanket endorsed to additional insureds as required per contract, with limits not less than \$1,000,000 per occurrence, \$1,000,000 Products/Completed Operations, \$1,000,000 Personal/Advertising,
- (b) Commercial auto insuring all vehicles used by Nagle Athletic Surfaces, Inc. (including all owned, hired and non-owned vehicles), and
- (c) Worker's compensation with statutory limits and a waiver of subrogation in favor of owner/contractor, and Employer's Liability with limits not less than \$500,000 each accident and Disease - Each Employee.
- (d) Umbrella coverage, blanket endorsed to additional insureds as required per contract, with limits not less than \$1,000,000 per occurrence, \$1,000,000 Products/Completed Operations, having \$10,000 self-insured retention

Evidence of such coverage, in the form of a Certificate of Insurance and providing for thirty (30) days notice prior to cancellation. Pricing includes blanket endorsement for additional insureds. Additional fees will apply if endorsement specifically listing additional insureds by name is required.

ACCEPTANCE OF PROPOSAL- *The above prices, specifications and conditions enclosed herein are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as enclosed herein.*

Signature _____ Date of Acceptance _____

Rev. 2/15/19

This proposal may be withdrawn by us if not accepted within 60 days

Proposal # P-004077-1



6597 Joy Road - East Syracuse, NY 13057
 ph (315)622-1313 - fax (315)622-2900
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V.I.D. 2

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Laykold® Rekortan® Spurtan®

Proposal # P-003373-4

Proposal Submitted To: Chuck Dailey	At: East Stroudsburg Area SD
Street: HC 12 Box 690	City, State and Zip Code: East Stroudsburg, PA 18301
Phone and Fax Number:	Date of Proposal: 07/25/2019
Name of Job: E. Stroudsburg Area SD North High School 6 Tennis Courts Resurfacing	Location of Job: East Stroudsburg North High School

Furnish all materials, labor and insurance to install the following:

WORK TO BE PERFORMED AT EAST STROUDSBURG AREA SD NORTH HIGH SCHOOL 6 TENNIS COURTS:

2020 BUDGET Pricing is based on COSTARS Supplier #343306 Contract #014-179 Recreational & Fitness Equipment

1. Thoroughly clean surface with pressure washing. (Nagle Athletic Surfaces uses the Cyclone 5000Y vehicle mounted and the Cyclone CY210 walk-behind units for pressure washing. These units produce hot water and are equipped with a rotating high-pressure washing head capable of producing 4,000 PSI while controlling water run-off.) Facility owner is responsible for providing a water source for washing surfaces.
2. Air blow and clean all bituminous concrete surfaces.
3. Install the RiteWay Crack Repair System to 1145 lineal feet of surface cracks, excluding concrete footers. The Rite-way Crack Repair System is designed to mask surface cracks existing at the time of repair. Future expansion and contraction of the asphalt surface may affect the components of these repairs and could result in new cracks. No warranty is expressed or implied for repairs made using the Rite-way Crack Repair System.
4. Install one coat Laykold acrylic resurfacer fortified with 60 mesh angular sand to entire area.
5. Install two coats Laykold color fortified with 80 mesh rounded sand to entire area.
6. Layout, mask and paint six sets of tennis lines with acrylic white line paint.
7. Thoroughly clean general work area.

Pricing is based on the Laykold Standard Color Chart with the exception of Royal Purple. Selection of Royal Purple will result in an increase in price.

Note: Patching of depressions ("Bird Baths") in the existing pavement surface is not included in this proposal. Note: Repairs to fence post concrete footers, inside and outside the fence, are not included in this proposal.

Price based on paying prevailing wage rates to Nagle Athletic Surfaces, Inc.'s employees.

* Nagle Athletic Surfaces, Inc. maintains; a drug free workplace, OSHA safety trained field staff, and background clearances as required.

USE TAX ON MATERIALS INCLUDED IN PRICE

Proposal # P-003373-4

We Propose hereby to furnish materials and labor-complete in accordance with the above specifications, for the sum of : **\$83,819.00**

Payment to be made as follows:

Payment terms as per approved contract

Proposal submitted by Paul Brown IV and is valid for 60 days.

Proposal # P-003373-4

Conditions:

Acceptance of our bid and price by Contractor/Owner shall be acceptance of all terms and conditions recited herein which shall supersede any conflicting term in any other contract document. Contractor's/Owner's agreement herewith shall be evidenced by Nagle Athletic Surfaces commencement of work for project.

Nagle Athletic Surfaces, Inc. is not responsible for the layout and establishment of grades as done by others. Nagle Athletic Surfaces, Inc. accepts no responsibility for improper design or engineering.

This proposal is based on the payment of prevailing wage rates if applicable, to Nagle Athletic Surfaces, Inc. personnel. Any union labor required due to the general contractors contractual union agreements, project labor agreements and or specific apprenticeship requirements will be provided at no cost to Nagle Athletic Surfaces, Inc.

The Contractor/Owner will cooperate with Nagle Athletic Surfaces to avoid scheduling conflicts or interference with Nagle Athletic Surfaces' work. The project schedule, and any modification of that schedule, shall allow the Nagle Athletic Surfaces reasonable time, as outlined in the proposal, to complete Nagle Athletic Surfaces' work in an efficient manner. Contractor/Owner will provide Nagle Athletic Surfaces a complete initial project schedule, as well as any subsequent revisions, outlining all phases of work for project.

If there is a change in the project schedule, or if there is any delay not caused by Nagle Athletic Surfaces, Nagle Athletic Surfaces will be entitled to reimbursement for any increased costs of materials and for any increased cost of labor, including overtime. Nagle Athletic Surfaces' entitlement to increased costs is not limited to the amounts that the Contractor may receive from the Owner under the prime contract.

Nagle Athletic Surfaces will not be required to commence or continue work until the project site is in an adequate condition, as outlined in the proposal and/or as outlined in the architectural specifications, for this work to begin. If the project site is not in an adequate condition for Nagle Athletic Surfaces to start work, that is a delay under the terms of this contract. Any and all resulting liquidated damages and claims against Nagle Athletic Surfaces shall be waived for said delays.

Nagle Athletic Surfaces' completion of its scope of work is dependent of weather conditions. Nagle Athletic Surfaces will suspend work on the project if any of the following weather conditions exist: 1) rain, 2) Temperatures below manufacturer's specifications or 3) high winds. The schedule shall be extended by the exact duration of any and all weather related suspensions of work. Any and all liquidated damages or claims shall be waived due to any delays caused by weather related suspensions of work.

The Contractor/Owner may make no claim for liquidated or actual damages caused by Nagle Athletic Surfaces' delay beyond the money which the Contractor /Owner has to pay for that delay under the terms of the contract.

Any indemnification or hold harmless obligation of Nagle Athletic Surfaces to the Contractor/Owner will extend only to claims relating to property damage or bodily injury, and only to the extent that the property damage or bodily injury was caused by the negligence or intentional act of Nagle Athletic Surfaces, its employees, or its subcontractors,

No back charge by the Contractor/Owner will be valid unless Nagle Athletic Surfaces has been given written notice of the Contractor's/Owner's claim, has been allowed reasonable time to correct any deficiency, and has failed to do so. Further, any back charge will not exceed an amount reasonably calculated to cover the cost of the anticipated liability or claim. All remaining amounts due Nagle Athletic Surfaces will be promptly paid.

The Contractor/Owner is liable to Nagle Athletic Surfaces for any expenses incurred by Nagle Athletic Surfaces in enforcing the terms of this addendum, including, but not limited to, reasonable interest and attorney fees.

Nagle Athletic Surfaces, Inc. agrees to procure and maintain the following insurance coverage:

- (a) Commercial general Liability insurance, blanket endorsed to additional insureds as required per contract, with limits not less than \$1,000,000 per occurrence, \$1,000,000 Products/Completed Operations, \$1,000,000 Personal/Advertising,
- (b) Commercial auto insuring all vehicles used by Nagle Athletic Surfaces, Inc. (including all owned, hired and non-owned vehicles), and
- (c) Worker's compensation with statutory limits and a waiver of subrogation in favor of owner/contractor, and Employer's Liability with limits not less than \$500,000 each accident and Disease - Each Employee.
- (d) Umbrella coverage, blanket endorsed to additional insureds as required per contract, with limits not less than \$1,000,000 per occurrence, \$1,000,000 Products/Completed Operations, having \$10,000 self-insured retention

Evidence of such coverage, in the form of a Certificate of Insurance and providing for thirty (30) days notice prior to cancellation. Pricing includes blanket endorsement for additional insureds. Additional fees will apply if endorsement specifically listing additional insureds by name is required.

ACCEPTANCE OF PROPOSAL- *The above prices, specifications and conditions enclosed herein are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as enclosed herein.*

Signature _____ Date of Acceptance _____

Rev. 2/15/19

This proposal may be withdrawn by us if not accepted within 60 days

Proposal # P-003373-4

V.I.E.I



D'HUY Engineering, Inc.
One East Broad Street, Suite 310 Bethlehem, PA 18018
Phone: 610.865.3000 Fax: 610.861.0181

INVOICE

No. 49628
06/30/2019

East Stroudsburg Area School District

50 Vine Street
East Stroudsburg, PA 18301
Mr. Tom McIntyre

<p>High School North Roof Replacement</p> <p>287010</p> <p>For Services Rendered From June 01, 2019 To June 28, 2019</p> <p>DEI Fee = 7% of Construction Cost \$7,008,635 = \$490,604</p>

01 - High School North / Lehman I.S. Roof Investigation

<u>Contract Amount</u>	<u>Previously Billed</u>	<u>% Complete</u>	<u>Invoice Amount</u>
\$12,900.00	\$12,900.00	100.00	\$0.00

02 - Design, Bidding & Construction Phase Services

<u>Contract Amount</u>	<u>Previously Billed</u>	<u>% Complete</u>	<u>Invoice Amount</u>
\$490,604.00	\$122,933.10	29.13	\$20,000.45

INVOICE TOTAL \$20,000.45

V1. F-1



D'HUY Engineering, Inc.
One East Broad Street, Suite 310 Bethlehem, PA 18018
Phone: 610.865.3000 Fax: 610.861.0181

INVOICE

No. 49630
06/30/2019

East Stroudsburg Area School District

50 Vine Street
East Stroudsburg, PA 18301
Mr. Tom McIntyre

Resica Elementary School Roof Replacement

287011

For Services Rendered From June 01, 2019 To June 28, 2019

DEI Fee = 7% of Construction Cost \$667,715 = \$46,740.05

00 - Basic Services

<u>Contract Amount</u>	<u>Previously Billed</u>	<u>% Complete</u>	<u>Invoice Amount</u>
\$46,740.05	\$23,370.03	52.94	\$1,372.24

INVOICE TOTAL \$1,372.24

V1-G.1



D'HUY Engineering, Inc.
One East Broad Street, Suite 310 Bethlehem, PA 18018
Phone: 610.865.3000 Fax: 610.861.0181

INVOICE

No. 49632
06/30/2019

East Stroudsburg Area School District

50 Vine Street
East Stroudsburg, PA 18301
Mr. Tom McIntyre

Trane Controls Oversight
287013
For Services Rendered From June 01, 2019 To June 28, 2019

00 - Basic Services

<u>Contract Amount</u>	<u>Previously Billed</u>	<u>% Complete</u>	<u>Invoice Amount</u>
\$26,255.00	\$7,876.50	50.00	\$5,251.00

INVOICE TOTAL \$5,251.00

V1-H-1



D'HUY Engineering, Inc.
One East Broad Street, Suite 310 Bethlehem, PA 18018
Phone: 610.865.3000 Fax: 610.861.0181

INVOICE

No. 49633
06/30/2019

East Stroudsburg Area School District

50 Vine Street
East Stroudsburg, PA 18301
Mr. Tom McIntyre

<p>High School North & Lehman I.S. Water Heater Replacement</p> <p>287014</p> <p>For Services Rendered From June 01, 2019 To June 28, 2019</p> <p>DEI Fee = \$22,525 (\$2,500 + 7.5% of Construction Cost \$267,000)</p>
--

00 - Basic Services

Contract Amount	Previously Billed	% Complete	Invoice Amount
\$22,525.00	\$19,146.25	88.73	\$840.00

INVOICE TOTAL **\$840.00**

V.I.I



D'HUY Engineering, Inc.
One East Broad Street, Suite 310 Bethlehem, PA 18018
Phone: 610.865.3000 Fax: 610.861.0181

INVOICE

No. 49629
06/30/2019

East Stroudsburg Area School District

50 Vine Street
East Stroudsburg, PA 18301
Mr. Tom McIntyre

High School North Roof Replacement - Forensic Investigation

287010.1

For Services Rendered From June 01, 2019 To June 28, 2019

DEI Fee = 7% of Construction Cost \$7,008,635 = \$490,604

01 - Forensic Investigation

<u>Contract Amount</u>	<u>Previously Billed</u>	<u>% Complete</u>	<u>Invoice Amount</u>
\$22,600.00	\$0.00	3.52	\$795.00

INVOICE TOTAL \$795.00